



**SURVIVABILITY - SUSTAINABILITY - MOBILITY
SCIENCE AND TECHNOLOGY
SOLDIER SYSTEM INTEGRATION**



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DISMOUNTED INFANTRY MOVEMENT RATE STUDY

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Dayton, OH 45402-1106**

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Preface

This effort was sponsored under the US Army Soldier System Modeling Science and Technology Objective (SSM STO) project managed by the US Army Natick Research, Development and Engineering Center, Natick, Massachusetts, in response to a data request received from the US Army Training and Doctrine Command (TRADOC) Analysis Center - White Sands Missile Range (TRAC-WSMR).

The simulation and analyses were performed by Mr. Theodore Hayes, Simulation Technologies, Inc.

The Project Officer for this effort was John A. O'Keefe IV, Operations Research Analyst, Modeling and Simulation Branch, Advanced Concepts Division, Advanced Systems Concepts Directorate, U.S. Army Soldier Systems Command.

Dismounted Infantry Movement Rate Study

1 Purpose

The purpose of this study was to determine sustainable movement rates for dismounted infantry under a variety of terrain and meteorological conditions. The objective was to generate a table that can be used to look-up the maximum sustainable movement rate (i.e., speed) for a given meteorological condition and terrain characteristic. Only one load and uniform configuration for the soldier was considered in this study.

This study was performed at the request of the U.S. Army Training and Doctrine Command (TRADOC) Analysis Command, White Sands Missile Range. A copy of the letter requesting the study is contained in Appendix A.

2 Approach

The only factor considered in this study as a limit to the movement speed of a soldier was heat stress. Therefore, the objective was to determine (for each set of meteorological and terrain conditions) the maximum speed a soldier could walk (or march, or run) for a sustained period without causing the soldier to become a heat casualty (i.e., rendering the soldier incapable of continuing activity without an extended rest and recovering period).

The heat stress encountered by a soldier is a function of three basic factors: the soldier's workload, the meteorological conditions, and the thermal and moisture permeability characteristics of the clothing and equipment worn.

A soldier's workload can be measured as total metabolic rate (in watts) and as the amount of external work performed (also in watts). These factors, in turn, are a function of the following: the soldier's weight, the weight and distribution of the load carried by the soldier, the walking speed of the soldier, the type of terrain, and the grade of the terrain.

A two step approach was taken in this study to meet the objectives. First, given the one soldier load and uniform configuration, the maximum sustainable metabolic rates were determined for a given set of meteorological conditions. Second, the maximum sustainable speeds were determined for a given set of terrain characteristics based on the maximum sustainable metabolic rates developed in the first step.

2.1 Range of Conditions Considered

Each soldier in this study was assumed to be: 70 kilograms (kg) in weight, 1.7 meters (m) tall, and 23 years of age.

Each soldier was assumed to be wearing or carrying the following: Personnel Armor System for Ground Troops (PASGT) Helmet, PASGT Vest, Load Bearing Equipment (LBE), M16A1, 120 rounds 5.56 millimeter (mm), 1 canteen of water, 2 fragmentation grenades, first aid pouch, bayonet, 2 ammo pouches, and the Battle Dress Uniform (BDU). Total load was calculated as approximately 20 kg. Thermal insulation factor (clo) was assumed to be 0.7, and the moisture permeability index (im) was assumed to be 0.476.

The meteorological conditions considered consisted of three basic factors: ambient temperature, relative humidity, and cloud cover (i.e., solar load). Ambient temperature ranges considered were 5 to 35°C in 5°C steps (41°F to 91°F). Relative humidity values considered were 5, 25, 50, 75, and 95%. Four cloud cover conditions were considered: Night, Cloudy, Partly Cloudy, and Clear Sky. Cloud cover effects the “solar load” on the soldier. This factor is considered in the model as the mean radiant temperature. Based on information provided by U. S. Army Research Institute of Environmental Medicine (USARIEM) (Matthew 1994), mean radiant temperature was calculated by adding a value for each cloud cover condition to the ambient temperature. Values used for this study were: Night @ 5°C, Cloudy @ 17.5°C, Partly Cloudy @ 35°C, and Clear Sky @ 45°C.

The terrain characteristics considered in this study were type and grade. The three types of terrain considered were: Black Top Road, Dirt Road, and Loose Sand. Terrain grades from -50% to +50% were considered (note: +1% grade = 1 meter increase in elevation for each 100 meters traveled horizontally). Between -20% and +20% steps of 5% were used, otherwise steps of 10% were used.

2.2 Maximum Sustainable Metabolic Rates

Maximum sustainable metabolic rates were determined by multiple runs of the Heat Stress Model from the Integrated Unit Simulation System (IUSS). This heat model is an implementation of a model developed for USARIEM (Kraning 1991) and has been verified by the original author (Kraning 1994). A standalone version of the IUSS heat model was used for this study. (Note: the stand-alone version uses the same heat model “C++ objects” used by the IUSS, but operates with just a single soldier under a directly controllable set of conditions).

For each set of meteorological conditions, the model was run with total metabolic rates ranging from 100 to 1000 watts at steps of 50 watts (note: for purposes of this phase of the study, it was assumed that the amount of external work performed by the soldier was 10% of the total metabolic rate, and that the wind speed was 2.5 meters per second (m/s)). Each case was run for up to four simulated hours with constant conditions (i.e., static metabolic and external work rates, and static meteorological conditions). The final core temperature at the end of the four hour period was the primary measure evaluated (note: if the final core temperature exceeded 39.0 °C before the end of the four hour period, the simulation was stopped at that point).

Based on the runs, the maximum metabolic rate which could be sustained without causing the soldier’s final core temperature to exceed each of a target set of temperatures was determined. The target core temperatures used were: 37.5, 37.75, 38.0, 38.25, 38.5, 38.75, and 39.0°C.

2.3 Maximum Sustainable Speed

Maximum sustainable speed for each set of meteorological and terrain conditions was determined by computing the speed which produced the maximum sustainable metabolic rate (for a given target core temperature). The equation used to calculate metabolic rate as a function of the soldier’s weight, load, speed, terrain type, and terrain grade, was taken

from (Pandolf 1977). The original Pandolf equation does not consider negative grades (i.e., walking downhill). Based on discussions with Bill Matthew, USARIEM, and a cursory review of (Kamon 1970), (Davies 1973) and (Pimental 1979), the Pandolf equation was modified to reflect a different metabolic rate and external work performed rate when the soldier is walking downhill. In the revised equation, if the grade is negative, the metabolic cost of walking down an incline is computed as 20% of the metabolic cost of walking up the incline. Likewise the external work performed is computed as 20% of the work performed walking up the incline. All other components (i.e., the metabolic cost of standing, standing with a load, and walking on level ground) remain the same.

Since the Pandolf equation is not directly solvable for speed, an incremental approach was used to determine the speed which produced the target maximum metabolic rate. The speed was started at 0.0 m/s and incremented by 0.05 m/s until the computed metabolic rate exceeded the target maximum. Maximum speed considered was 2.5 m/s. The last speed to produce a metabolic rate less than or equal to the target maximum was considered the maximum sustainable speed.

Terrain factors applied in the (Pandolf 1977) equation for Black Top, Dirt Road, and Loose Sand were 1.0, 1.1, and 2.1 respectively.

3 Results

3.1 Step 1, Maximum Sustainable Metabolic Rates

Selected plots of results from the first step of this study are shown in Figure B-1 through Figure B-6. These charts show the maximum sustainable metabolic rate as a function of ambient temperature for selected relative humidity and cloud cover conditions for each of the target final core temperatures. As one would expect, the higher the ambient temperature, the lower the maximum sustainable metabolic rate. This holds for all target temperatures except 37.5°C; in this case, the sweating and shivering components in the IUSS heat model caused the core temperature to rise above 37.5°C.

The data in Figure B-1 through Figure B-6 also show that the difference in maximum sustainable metabolic rates among the higher target core temperatures (38.25°C and above) is relatively small across the range of ambient temperature. This indicates that for these conditions a small increase in metabolic rate can significantly increase the heat stress. At lower target core temperatures (below 38.25°C), the data show that much greater changes in metabolic rates do not increase the heat stress significantly.

The IUSS Heat Stress Model uses the core temperature to degrade the performance of the soldier using the following scale:

- < 37.5°C @ no degradation,
- 37.5 to 38.0°C @ 10% degradation,
- 38.0 to 38.5°C @ 25% degradation,
- 38.5 to 39.0°C @ 50% degradation, and,

> 39.0°C @ 100% or complete degradation.

This scale and the observed sensitivity of final core temperature to metabolic rate were used to select three target final core temperatures to represent low, moderate, and high risk levels for heat stress. The low risk level was selected as 37.75°C, the moderate risk level was selected as 38.0°C, and the high risk level was selected as 38.75°C.

3.2 Step 2, Maximum Sustainable Speeds

The tables in Appendix D through Appendix G show the entire set of results from the second step of this study. These tables present the maximum sustainable speed data at each risk level (low, moderate and high) in meters per second (m/s), kilometers per hour (kph), and miles per hour (mph). The following paragraphs will discuss the sensitivities observed in the data when analyzed from various perspectives.

Selected plots of maximum sustainable speed at given risk levels across the range of ambient temperatures are shown in Figure C-1 through C-3. These data show that the range between low and high risk is larger at lower temperatures but narrows at the higher temperatures. In all the remaining plots, the maximum sustainable speed is only shown for the moderate risk level.

C-4 shows a plot of the maximum sustainable speed at given cloud cover conditions. These data show that the maximum sustainable speed is relatively insensitive to cloud cover at ambient temperatures below 30°C, but somewhat sensitive above that temperature.

C-5 and C-6 show plots of maximum sustainable speed given relative humidity across the range of ambient temperatures. These data indicate that maximum sustainable speed is relatively insensitive to relative humidity below 20°C, somewhat sensitive between 20 and 25°C, and very sensitive above 25°C.

C-7 through C-24 show plots of maximum sustainable speed given positive terrain grade across the range of ambient temperatures for selected cloud cover, relative humidity, and terrain type combinations. These data show that maximum sustainable speed is very sensitivity to terrain grade. The greatest sensitivity is between 0 and 15% grades. At grades steeper than 15%, the maximum sustainable speed is less sensitive to grade, but the sustainable speeds are slow (< 1 m/s).

C-25 through C-34 show plots of maximum sustainable speed give terrain type across the range of terrain grades for selected meteorological conditions. These plots confirm the sensitivity to positive grades discussed above. As should be expected, the sensitivity to negative grades is less pronounced. These data show that there is little difference between Black Top and Dirt Road, but a significant difference when walking in Loose Sand.

4 Limitations

The data generated in this study can be used to estimate the maximum sustainable movement rate for dismounted infantry over a wide range of meteorological conditions and terrain characteristics. However, there are certain limitations which must be understood when trying to apply these data. Additional research is required to explore the impact of each of the limitations discussed below.

4.1 Performance Degradation as a Function of Time

This study considered only the core temperature as a measure of the soldiers performance degradation which, in turn, was used to determine the limit of movement speed. Other factors, such as heart rate and fatigue, should also be considered in the measure of performance degradation. Unfortunately, no methodology for including these factors was available. It is also true that as a soldier's performance degrades over time, the efficiency of work performed decreases. This requires higher metabolic expenditure rates to achieve the same work (e.g., walking speed). This dynamic workload, as a function performance degradation, was not considered in this study.

4.2 Single Load and Uniform Configuration

This study only considered a single uniform and load configuration. No cases to test the sensitivity of the results to variant loads and thermal and moisture permeability factors were made. Therefore, no attempt should be made to extrapolate the data presented to other load or uniform configurations.

4.3 Temperature Extremes

The only factor considered in this study as a limit to movement rate was heat stress. At lower temperatures (e.g., below 15°C or 59°F) it is possible that other factors, for example, fatigue or equipment encumbrance, may prove more limiting to sustainable movement rate than heat stress. At high temperatures (e.g., above 30°C or 82.5°F) the heat stress factor appears to be overwhelming, and the data indicate that no movement can be sustained. This may, or may not, be the case since no consideration of rest cycles was considered in the study.

4.4 Single Constant Wind Velocity

This study only considered a single constant wind velocity of 2.5 m/s. Evaporative water heat transfer and thermal heat transfer are directly related to wind velocity, but are diminished by increases in relative humidity. Therefore, significant error in maximum sustainable metabolic rate may occur if the wind velocity varies significantly.

4.5 Sustained Movement versus Move then Rest

This study used static (i.e., sustained) workloads to determine maximum sustainable movement rates. Therefore, the rates presented represent those that the model shows can be sustained continuously (or at least for four hours). It is possible that other movement

schemes could result in higher aggregate sustainable movement rates than a constant speed movement scheme. Such schemes could employ a move then stop to rest cycle (i.e., work/rest cycle), or even a rapid movement followed by slow movement cycle, or more complex combinations. No cases considering alternate movement schemes were considered in this study.

4.6 Workloads on Steep Terrain Grades

The use of the (Pandolf 1977) equation at terrain grades above 15% has not been validated, nor has the modified equation for negative grades been validated. Therefore, the maximum sustainable speed data for the higher grades and negative grades should be used with caution.

This study did not look at movement on (up or down) terrain grades greater than 50% (or 30°). At such steep grades a soldier is climbing more than walking. The limited nature of this study prohibited an exhaustive search for methods to determine soldier workloads on such steep terrain.

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4. Pandolf, K. B., B. Givoni, R. F. Goldman. Predicting energy expenditure with loads while standing or walking very slowly. *Journal of Applied Physiology* 43(4): 577-581, 1977.
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Appendixes

Appendix A

TRADOC Request Letter



DEPARTMENT OF THE ARMY
US ARMY TRADOC ANALYSIS COMMAND
WHITE SANDS MISSILE RANGE, NEW MEXICO 88002-5202

REPLY TO
ATTENTION OF
ATRC-WA

17 March 1994

MEMORANDUM FOR Technical Director, US Army Natick Research,
Development and Engineering Center
(Dr. Lewis), Natick, MA 01760-5015

SUBJECT: Dismounted Infantry Movement Rates

1. Request by 8 Apr 94 cross-country dismounted infantry movement rates for inclusion into CASTFOREM to support the Land Warrior COEA.
2. This is in reference to a telephone conversation with Mr. John O'Keefe concerning the subject above. Mr. O'Keefe stated that IUSS could provide these rates given the parameters.
3. Request that Natick provide these movement rates (in meters/seconds) with the following minimum parameters/conditions:
 - a. Soldier's load will be combat load (i.e., LBE, PASGT helmet and vest, M16A2, 120 rounds 5.56 mm ammo, 2 canteens of water, 2 FRAG hand grenades, bayonet, BDU and no rucksack or chemical overgarment).
 - b. Use different slopes from 0-60 degrees in 5 degree increments. These we will refine/group into a smaller set for use by CASTFOREM.
 - c. The CASTFOREM model uses 3 different soil types grouped into "GOOD, FAIR, and POOR". These cross-country types are not tied to road surfaces.
 - d. Use ascending and descending slopes (if different).
 - e. Use both DAY and NIGHT conditions.
4. POC for this request is CPT Chris Corbett, DSN 258-5170.

FOR THE DIRECTOR:

Stephen J. Powell
STEPHEN J. POWELL, MAJ, IN
Senior Military Analyst

Appendix B

Maximum Sustainable Metabolic Rate Figures

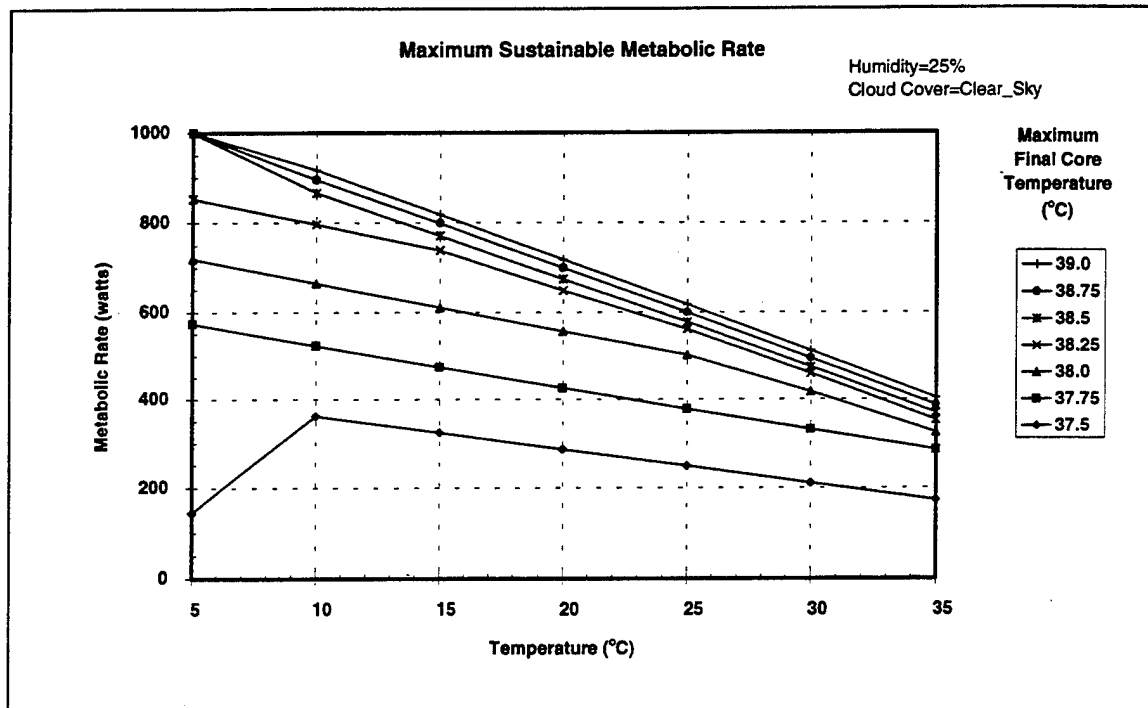


Figure B-1. Maximum Sustainable Metabolic Rate, Clear Sky, 25% Humidity.

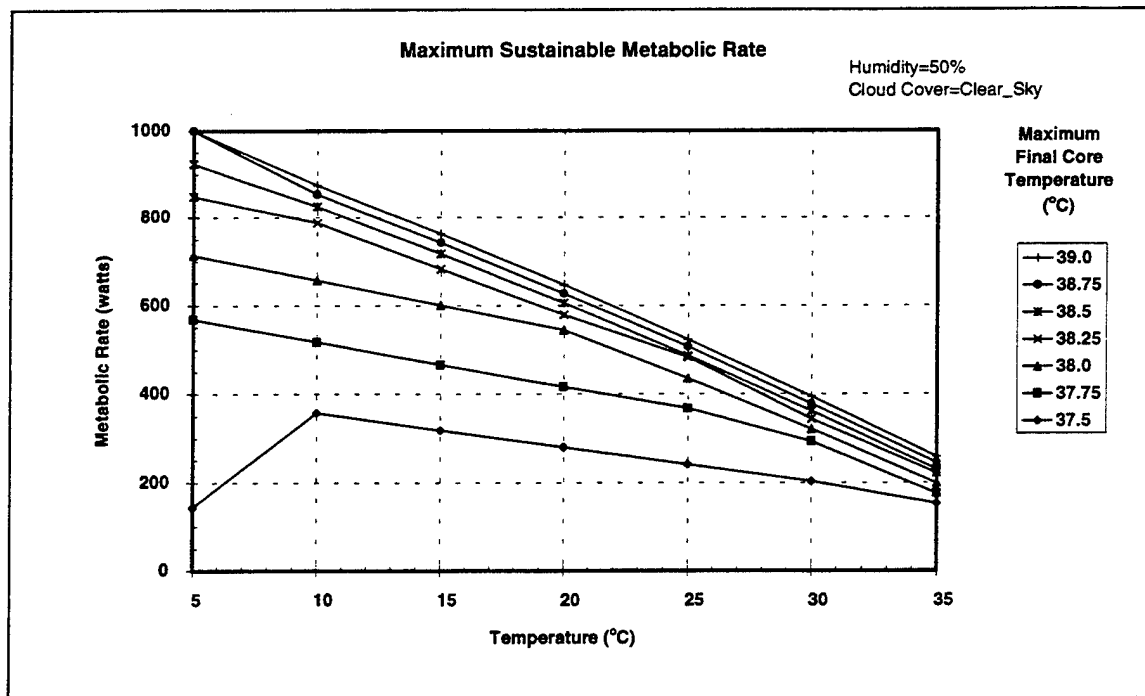


Figure B-2. Maximum Sustainable Metabolic Rate, Clear Sky, 50% Humidity.

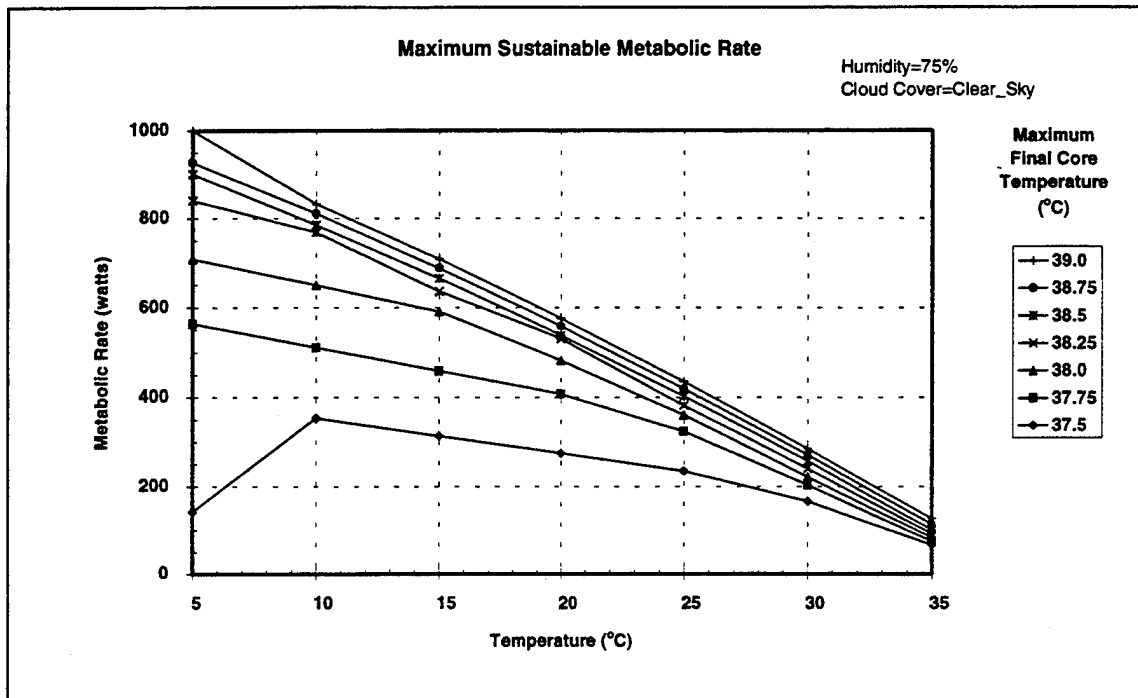


Figure B-3. Maximum Sustainable Metabolic Rate, Clear Sky, 75% Humidity.

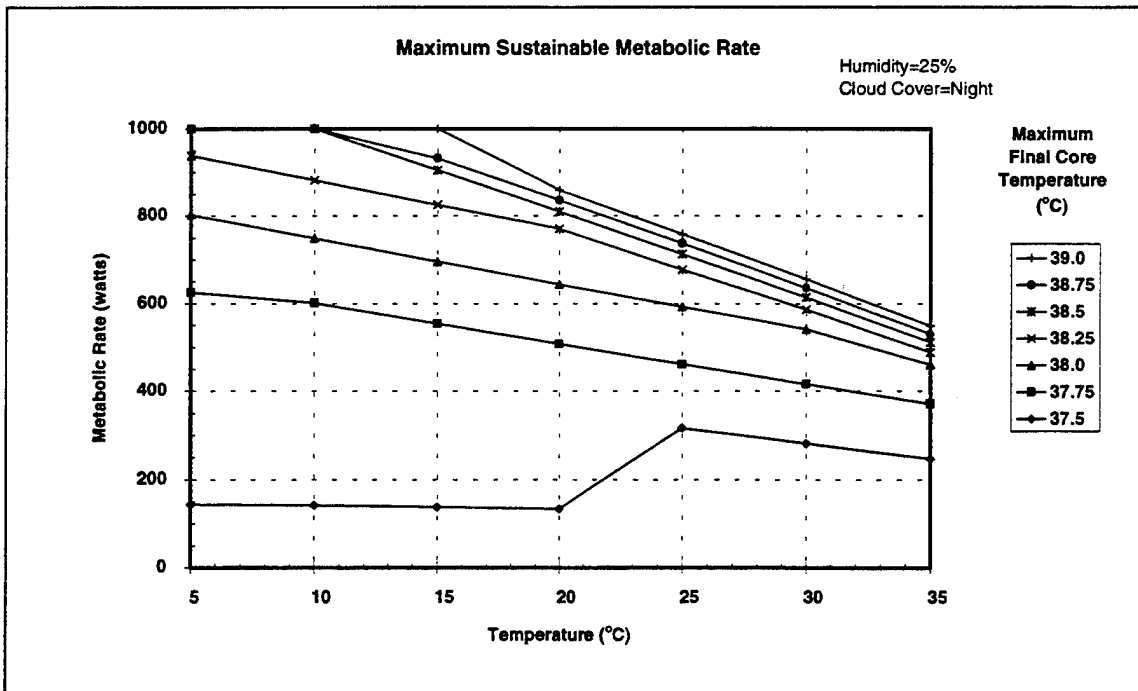


Figure B-4. Maximum Sustainable Metabolic Rate, Night, 25% Humidity.

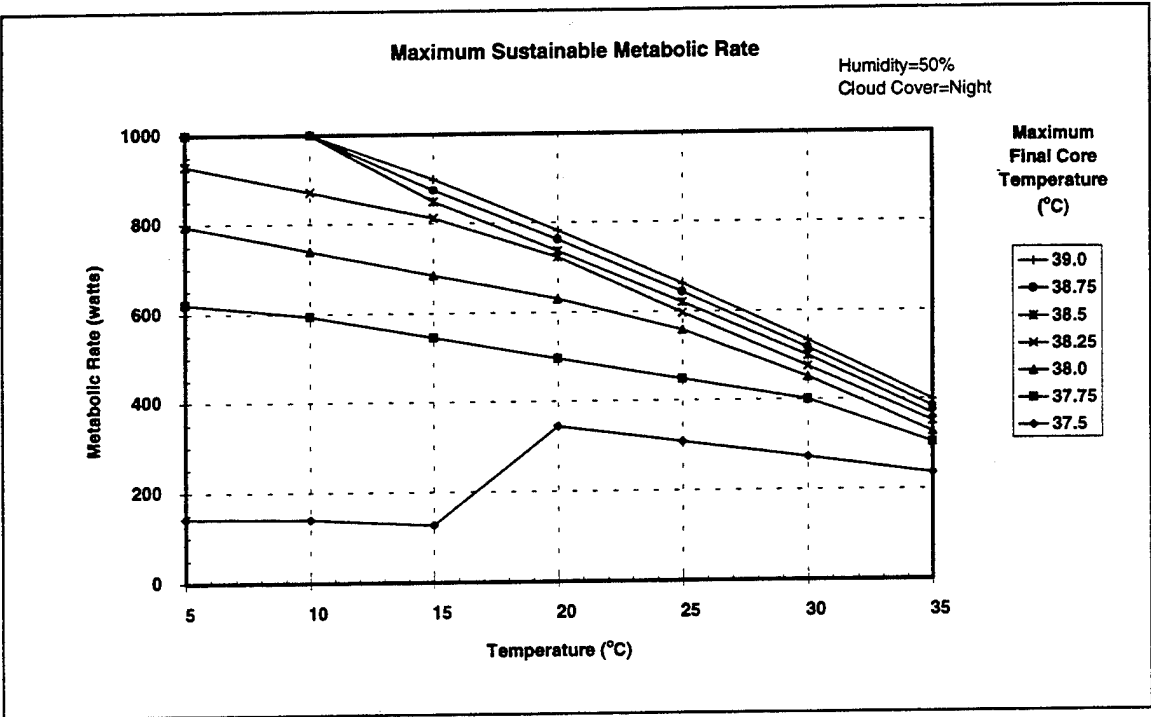


Figure B-5. Maximum Sustainable Metabolic Rate, Night, 50% Humidity.

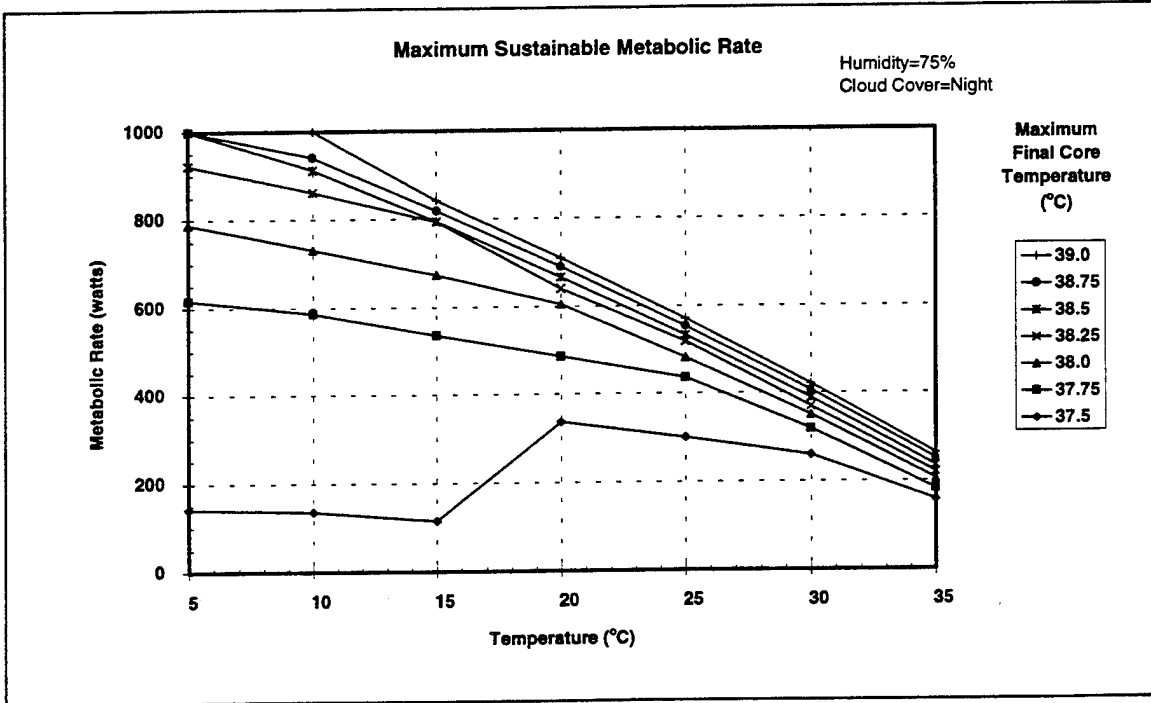


Figure B-6. Maximum Sustainable Metabolic Rate, Night, 75% Humidity.

Appendix C

Maximum Sustainable Speed Figures

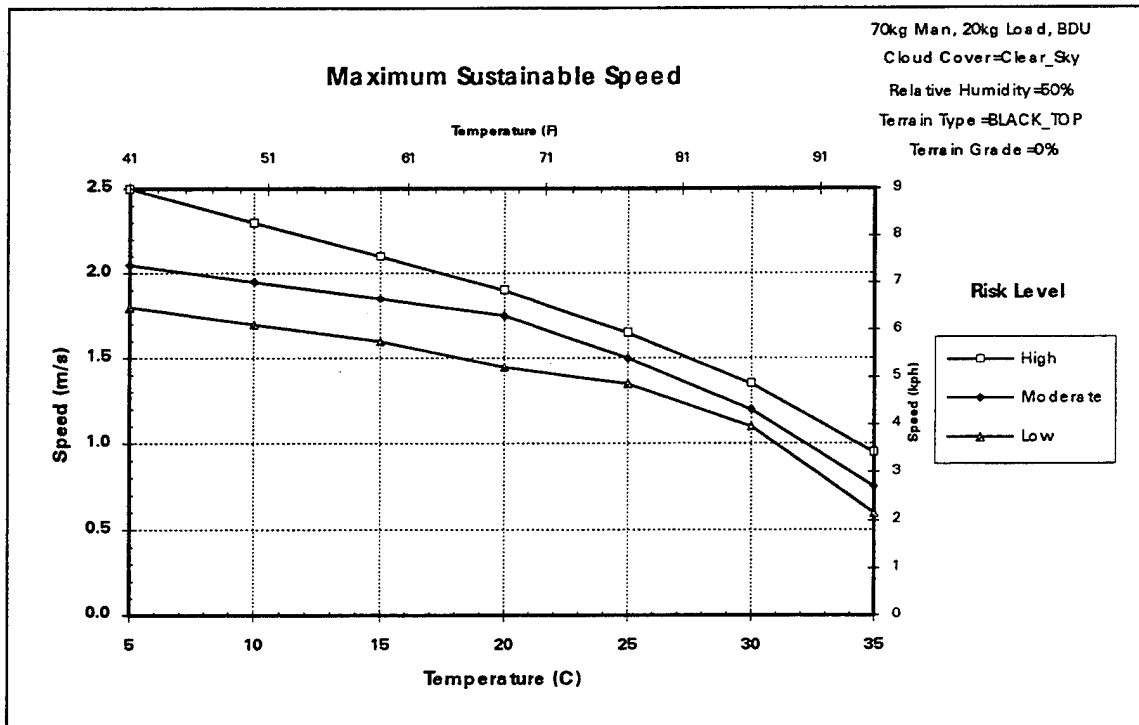


Figure C-1. Maximum Sustainable Speed By Temperature Given Risk, Black Top, 0% Grade, Clear Sky, 50% Relative Humidity.

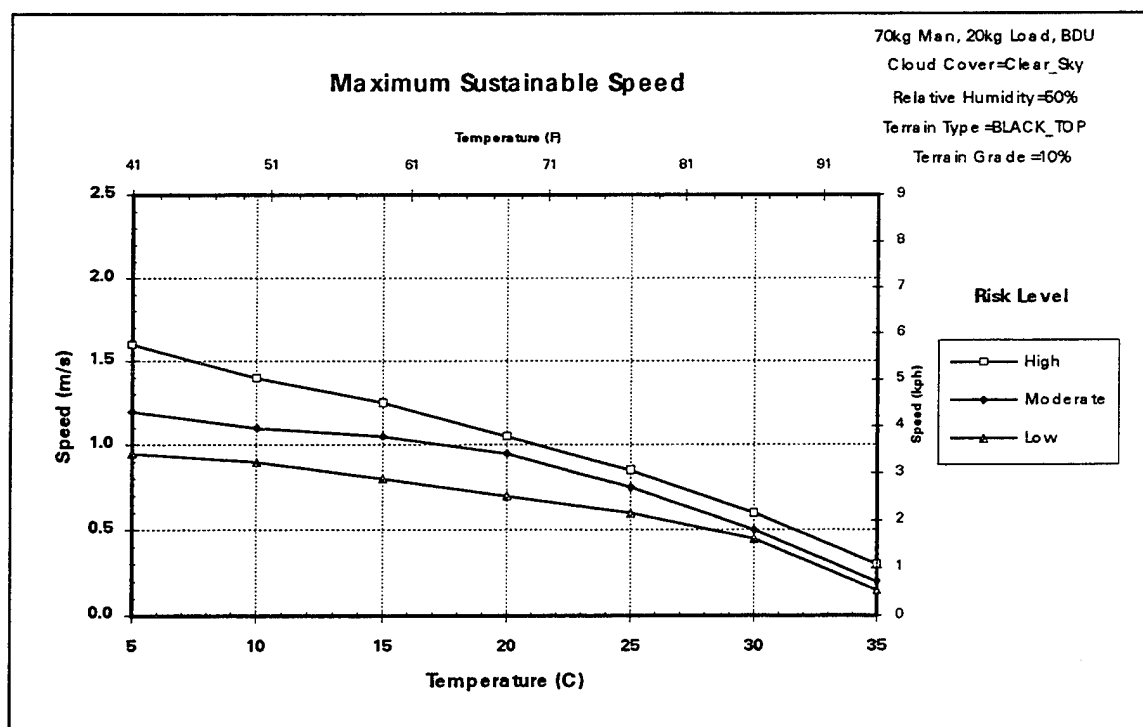


Figure C-2. Maximum Sustainable Speed By Temperature Given Risk, Black Top, 10% Grade, Clear Sky, 50% Relative Humidity.

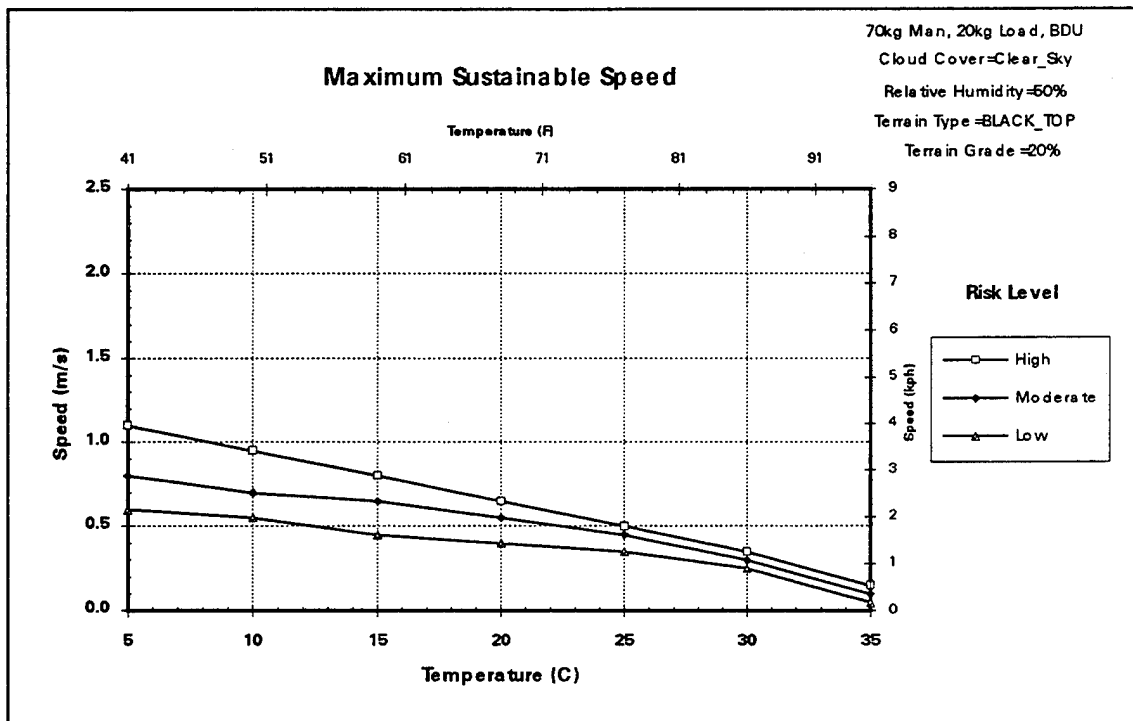


Figure C-3. Maximum Sustainable Speed By Temperature Given Risk, Black Top, 20% Grade, Clear Sky, 50% Relative Humidity.

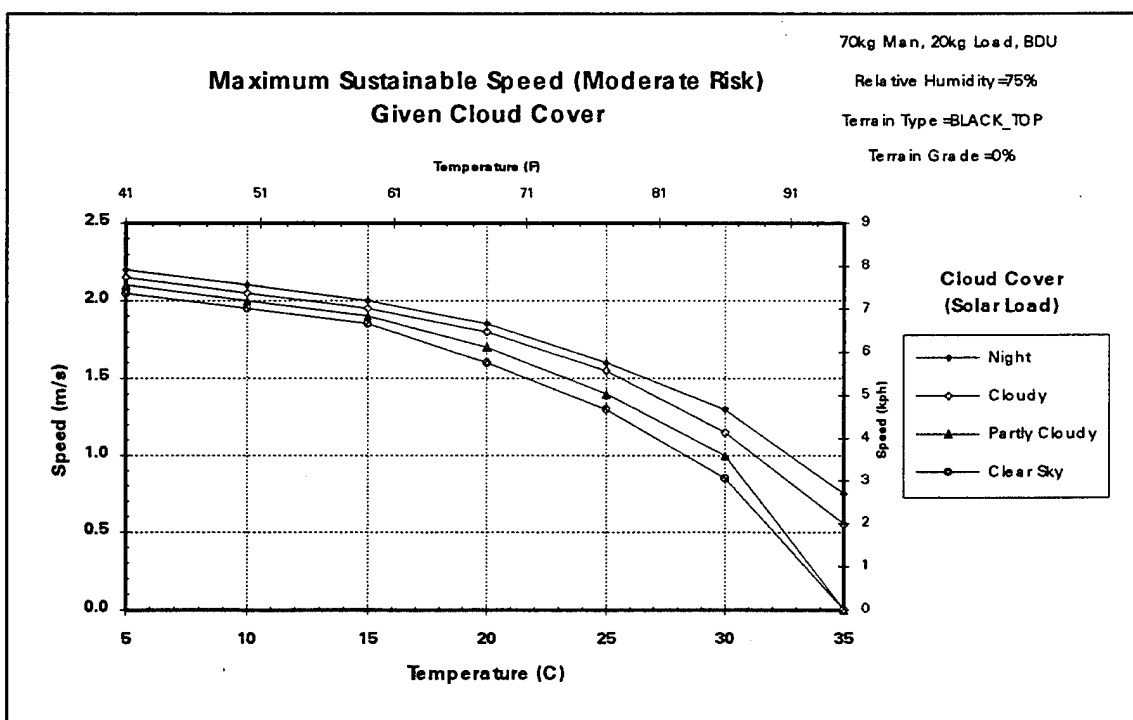


Figure C-4. Maximum Sustainable Speed By Temperature Given Risk, Black Top, 0% Grade, Clear Sky, 75% Relative Humidity.

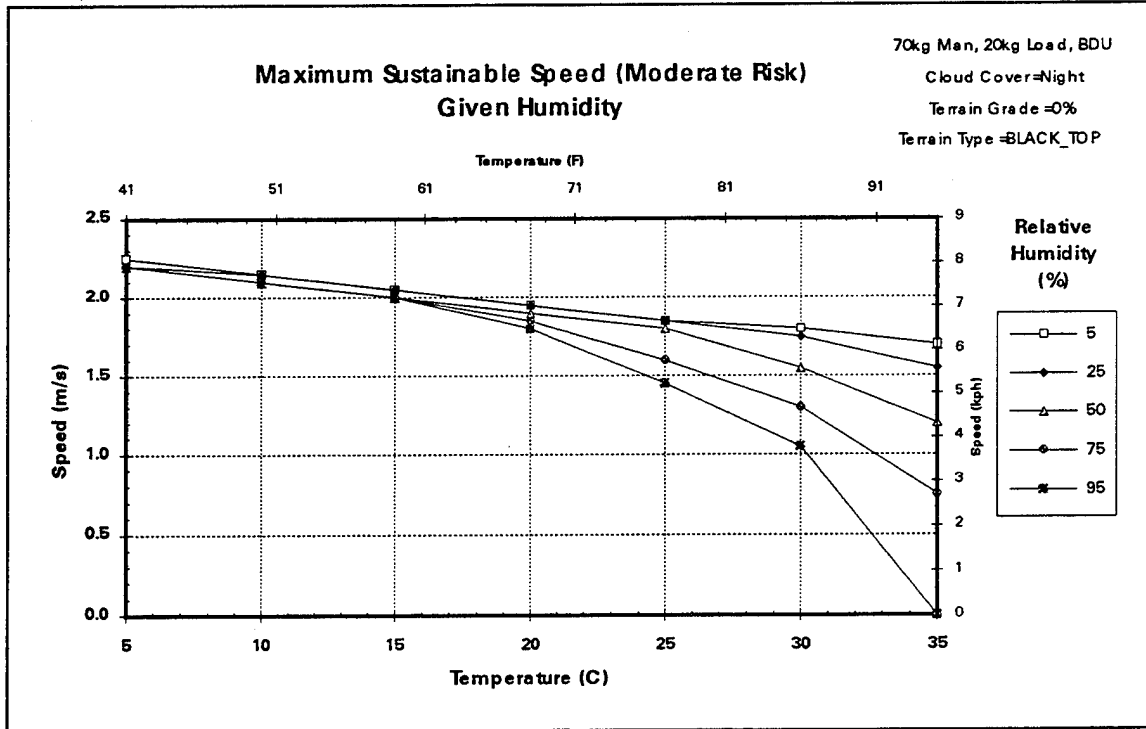


Figure C-5. Maximum Sustainable Speed By Temperature Given Relative Humidity, Black Top, 0% Grade, Night.

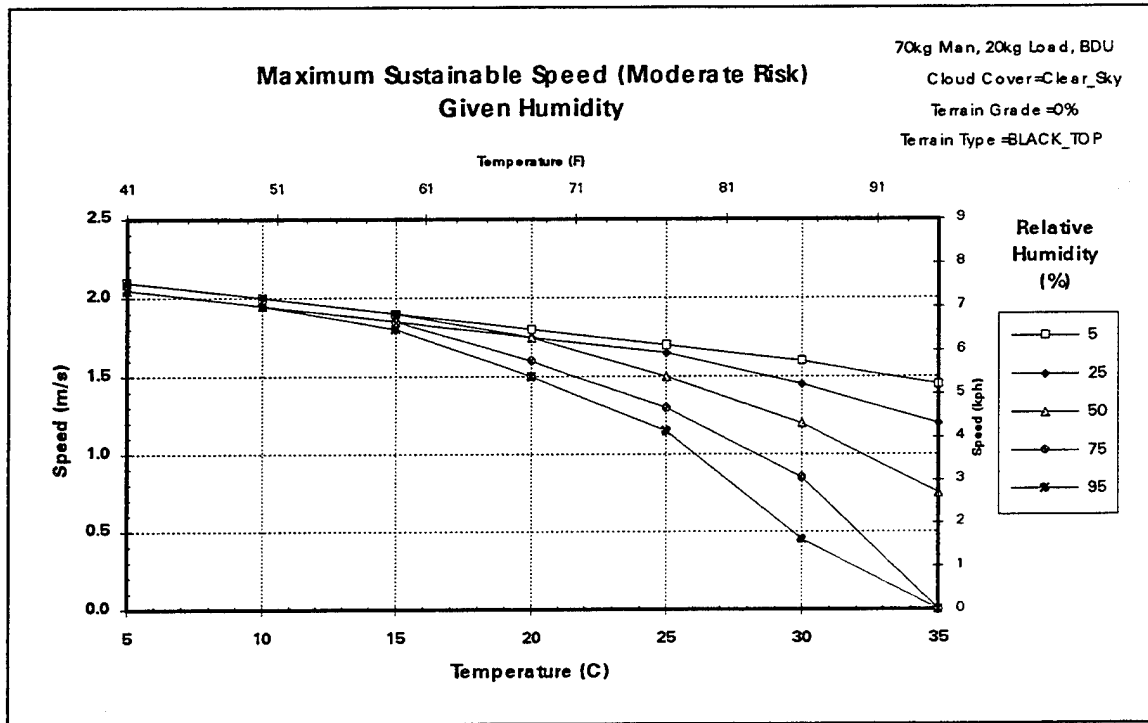


Figure C-6. Maximum Sustainable Speed By Temperature Given Relative Humidity, Black Top, 0% Grade, Clear Sky.

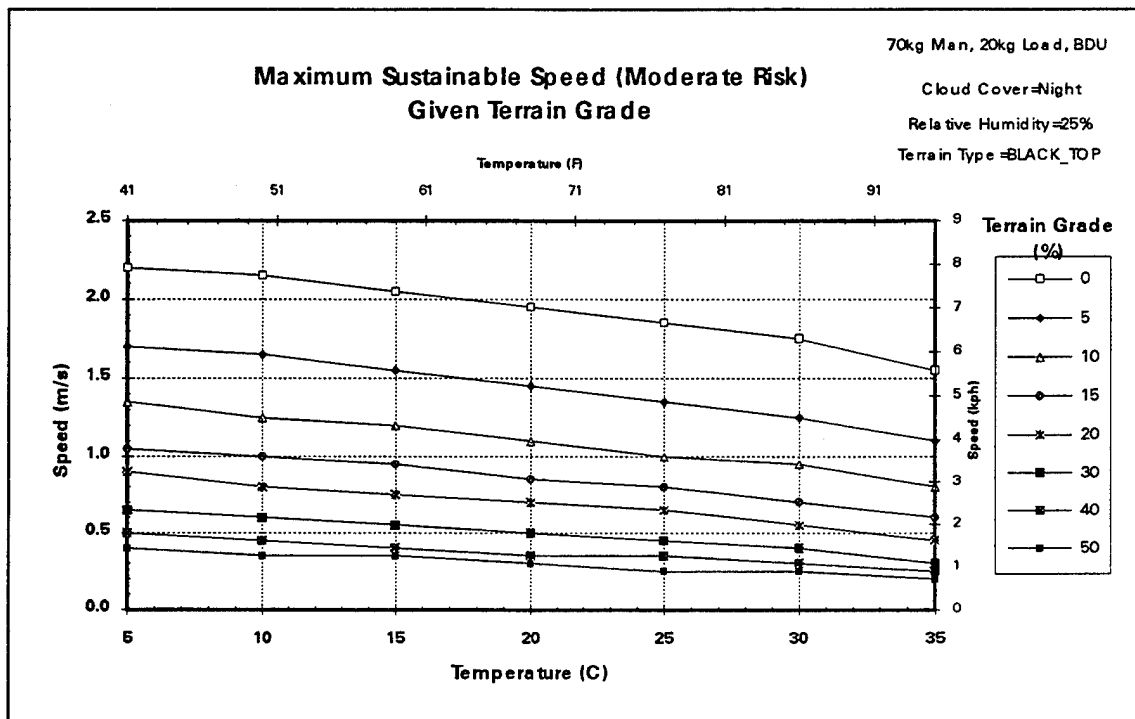


Figure C-7. Maximum Sustainable Speed By Temperature Given Terrain Grade, Moderate Risk, Black Top, Night, 25% Relative Humidity.

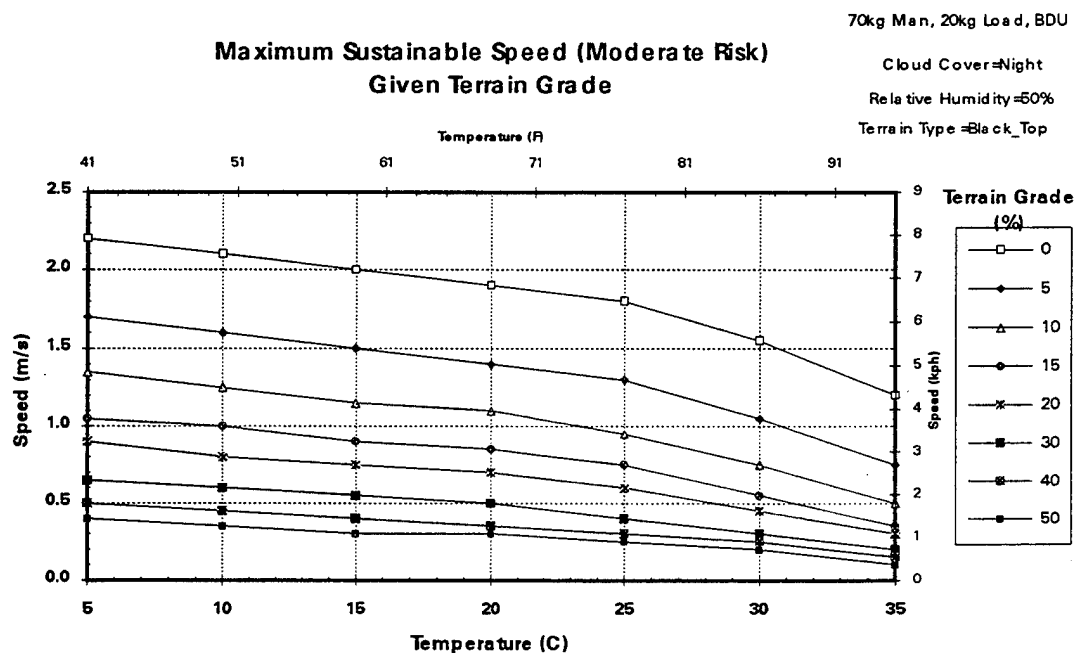


Figure C-8. Maximum Sustainable Speed By Temperature Given Terrain Grade, Moderate Risk, Black Top, Night, 50% Relative Humidity.

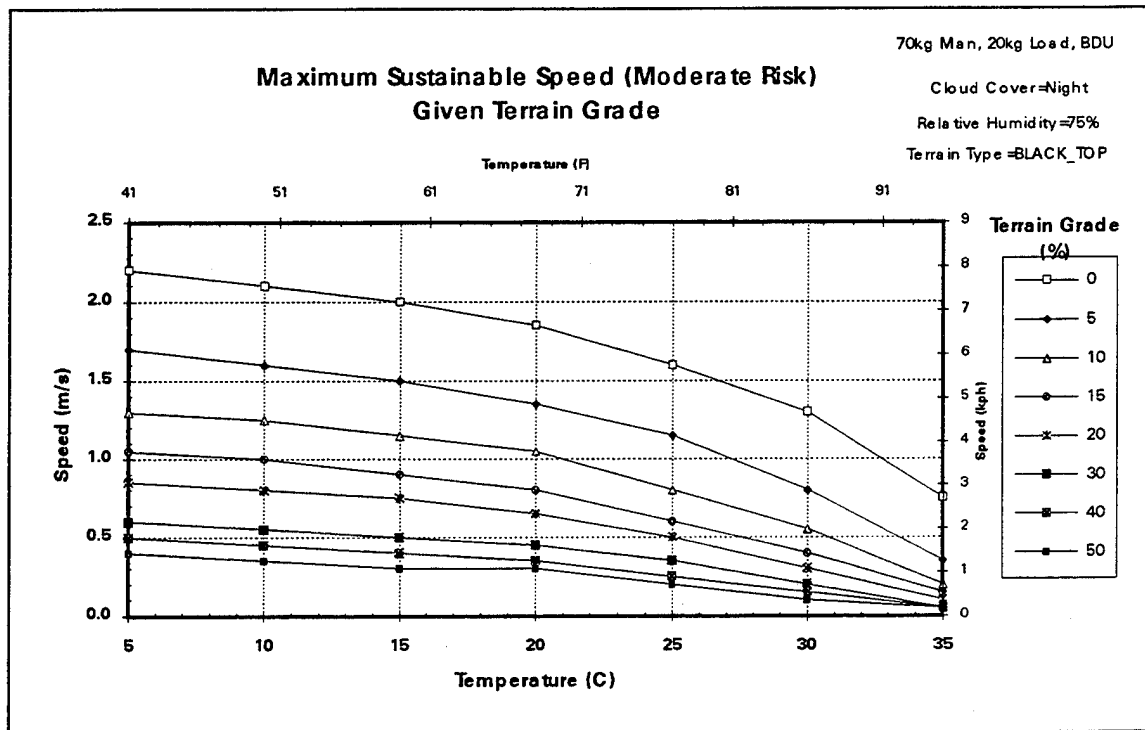


Figure C-9. Maximum Sustainable Speed By Temperature Given Terrain Grade, Moderate Risk, Black Top, Night, 75% Relative Humidity.

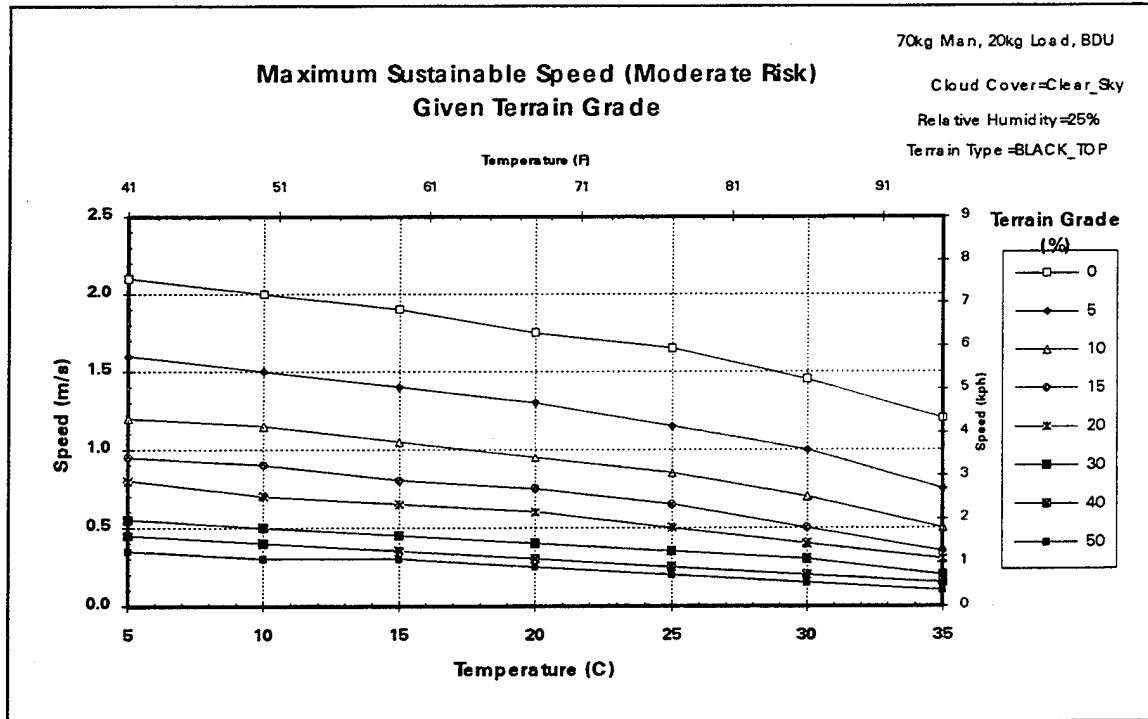


Figure C-10. Maximum Sustainable Speed By Temperature Given Terrain Grade, Moderate Risk, Black Top, Clear Sky, 25% Relative Humidity.

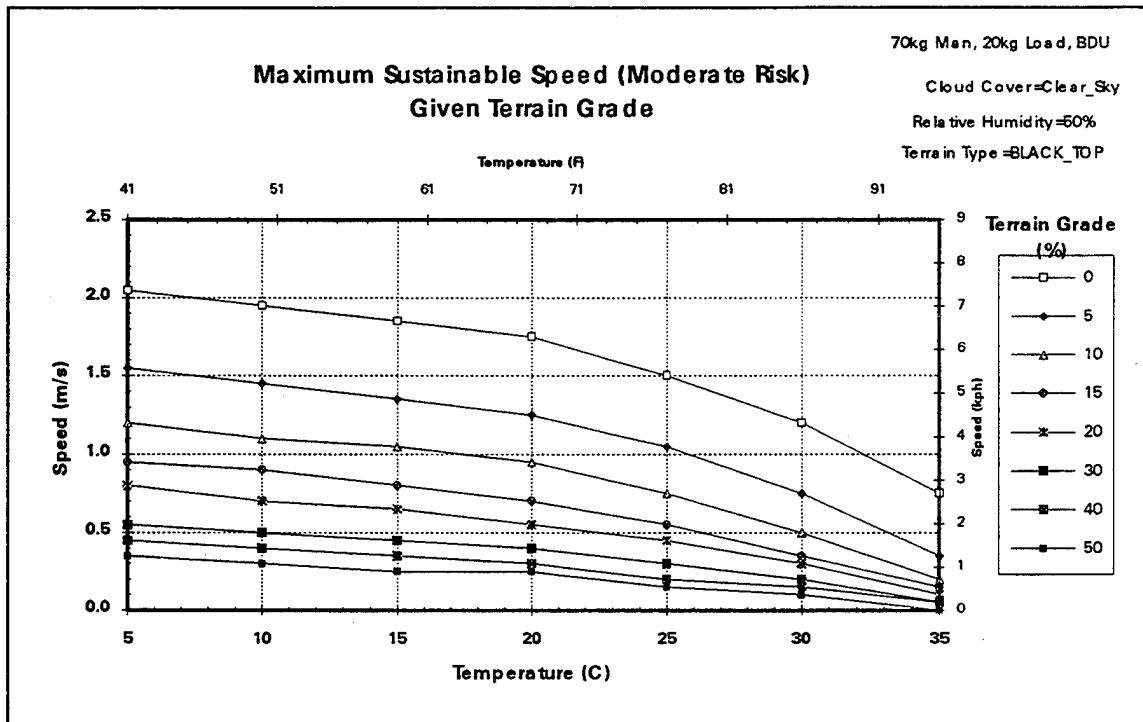


Figure C-11. Maximum Sustainable Speed By Temperature Given Terrain Grade, Moderate Risk, Black Top, Clear Sky, 50% Relative Humidity.

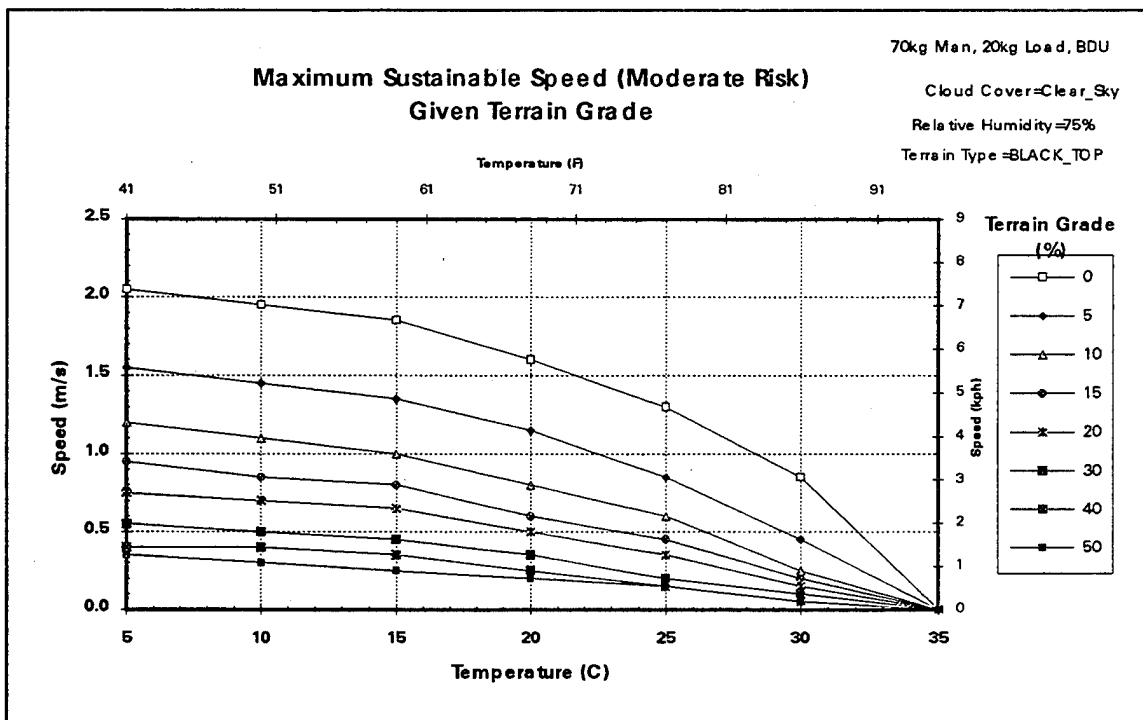


Figure C-12. Maximum Sustainable Speed By Temperature Given Terrain Grade, Moderate Risk, Black Top, Clear Sky, 75% Relative Humidity.

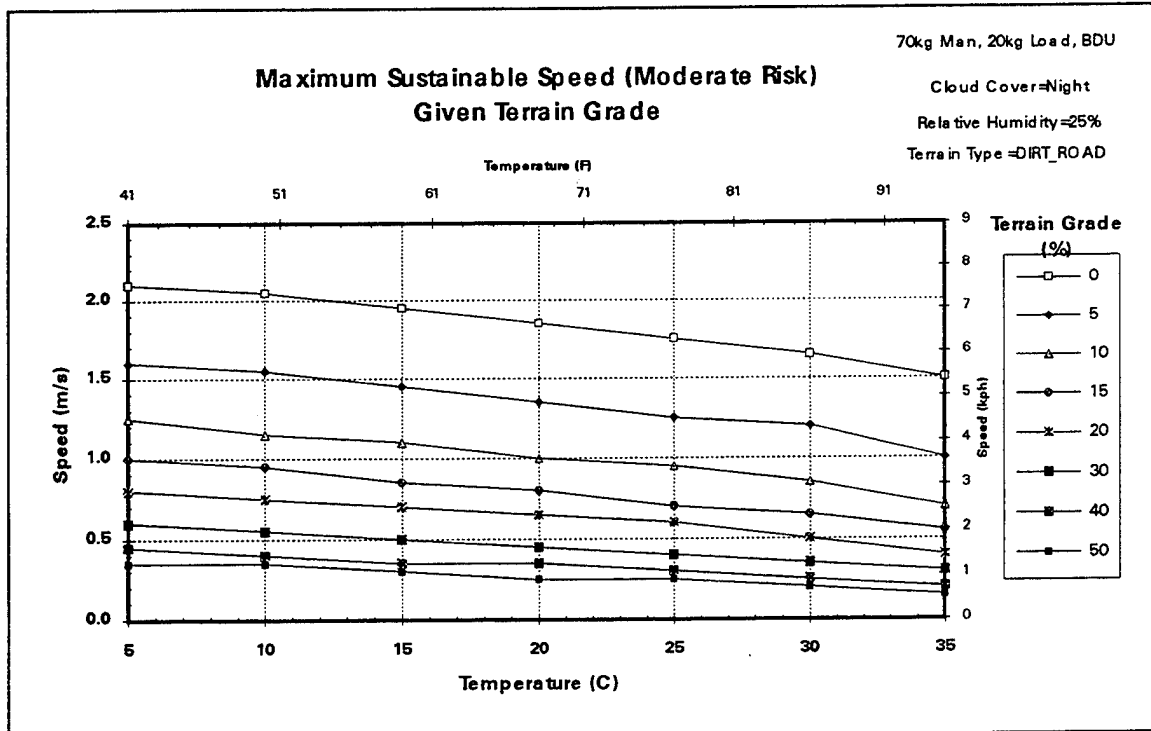


Figure C-13. Maximum Sustainable Speed By Temperature Given Terrain Grade, Moderate Risk, Dirt Road, Night, 25% Relative Humidity.

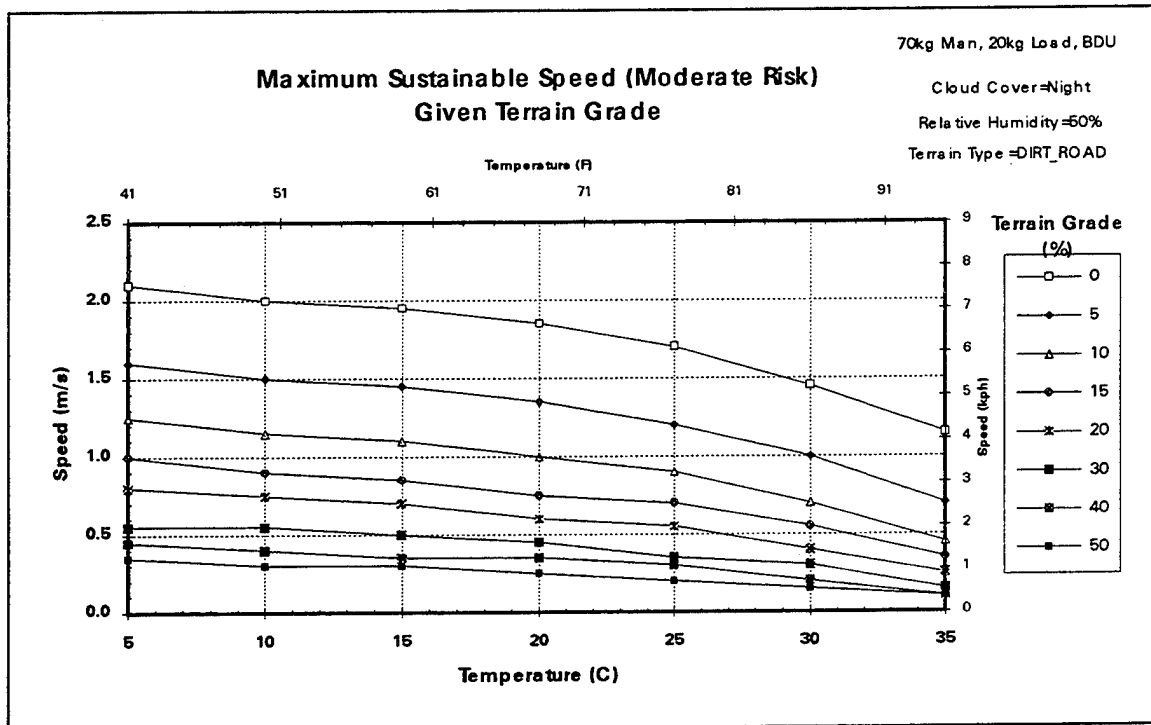


Figure C-14. Maximum Sustainable Speed By Temperature Given Terrain Grade, Moderate Risk, Dirt Road, Night, 50% Relative Humidity.

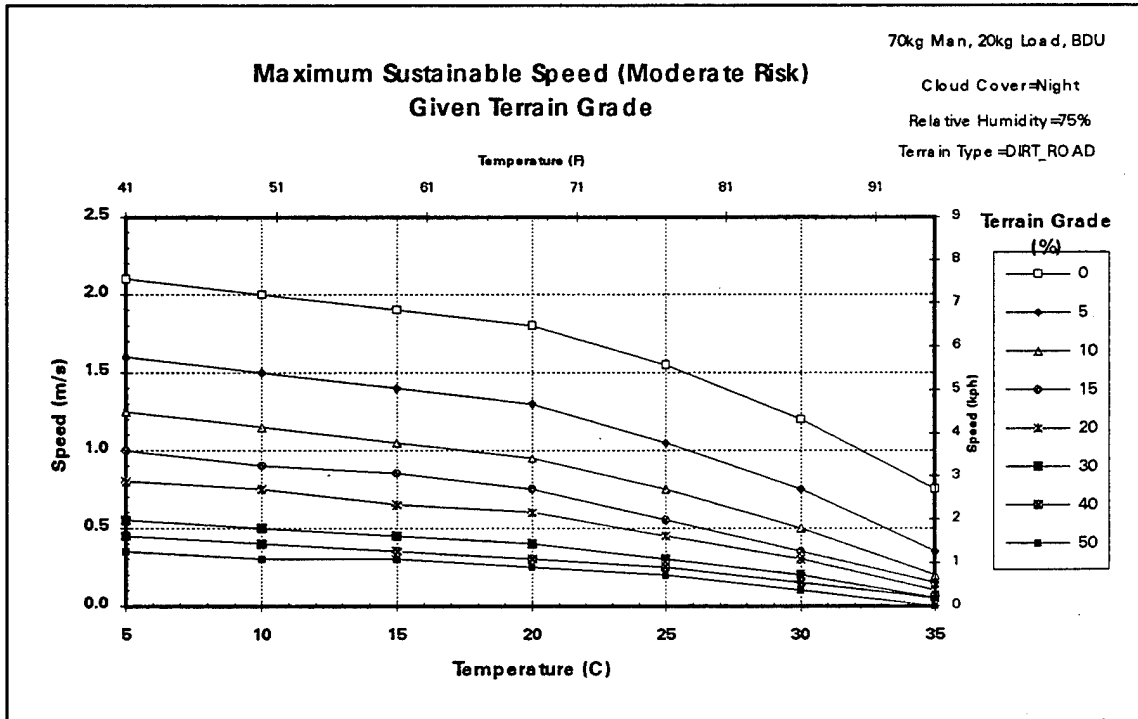


Figure C-15. Maximum Sustainable Speed By Temperature Given Terrain Grade, Moderate Risk, Dirt Road, Night, 75% Relative Humidity.

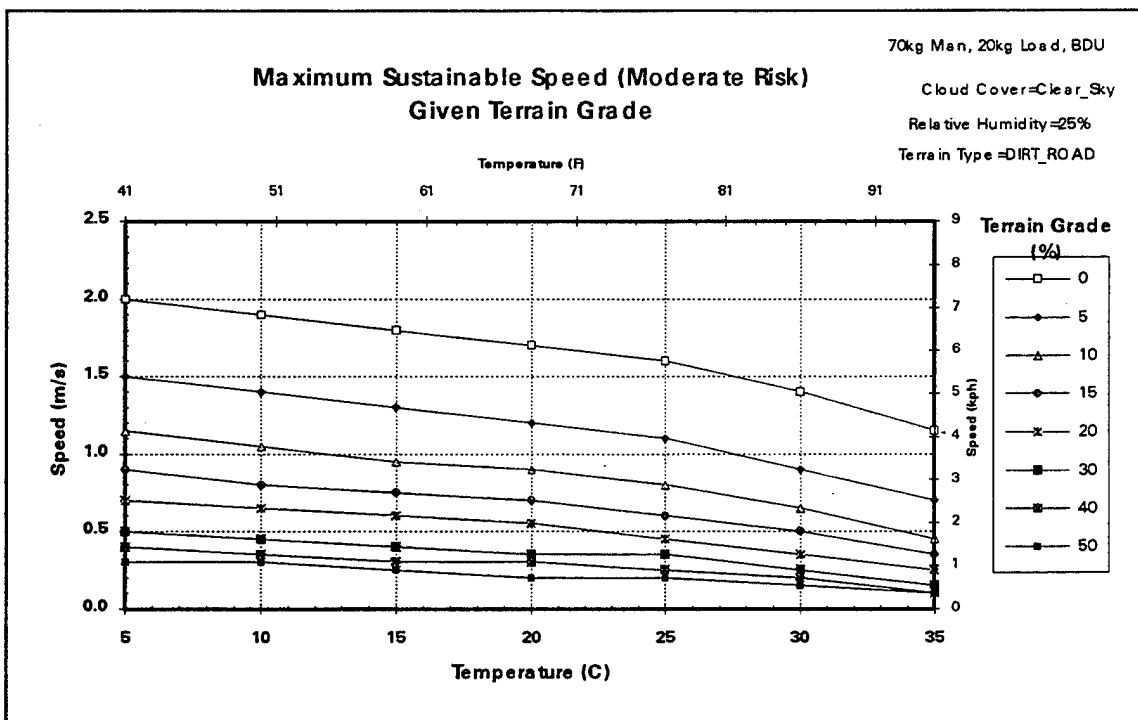


Figure C-16. Maximum Sustainable Speed By Temperature Given Terrain Grade, Moderate Risk, Dirt Road, Clear Sky, 25% Relative Humidity.

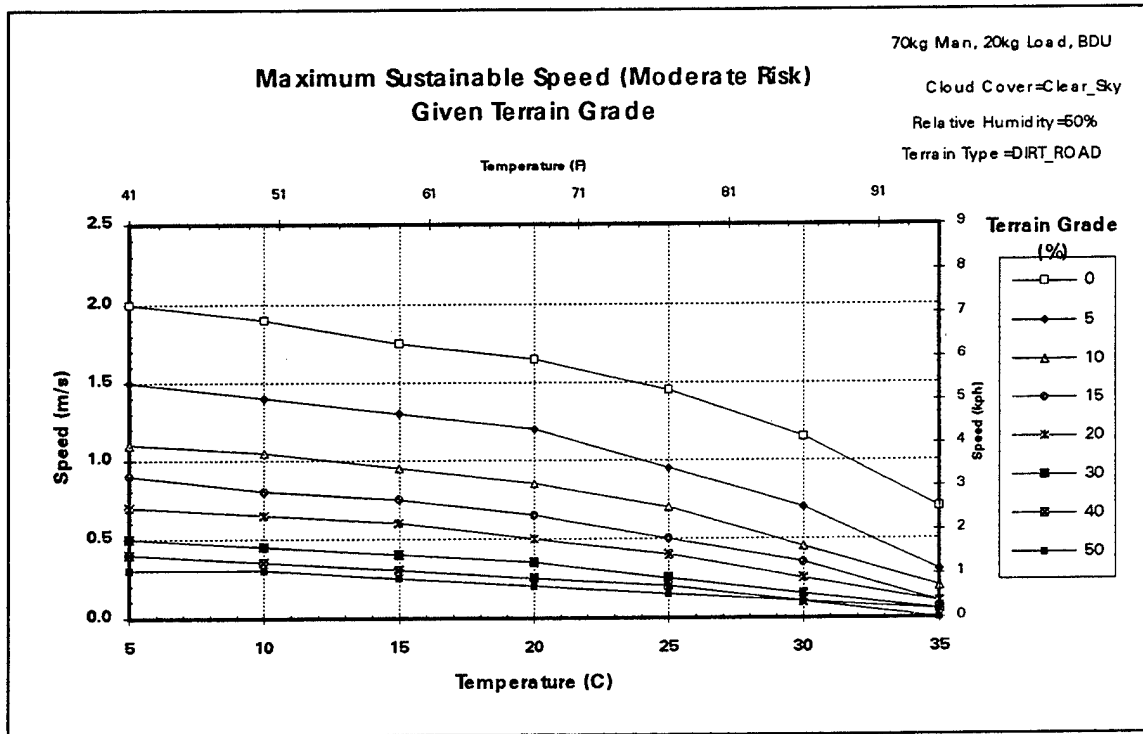


Figure C-17 Maximum Sustainable Speed By Temperature Given Terrain Grade, Moderate Risk, Dirt Road, Clear Sky, 50% Relative Humidity.

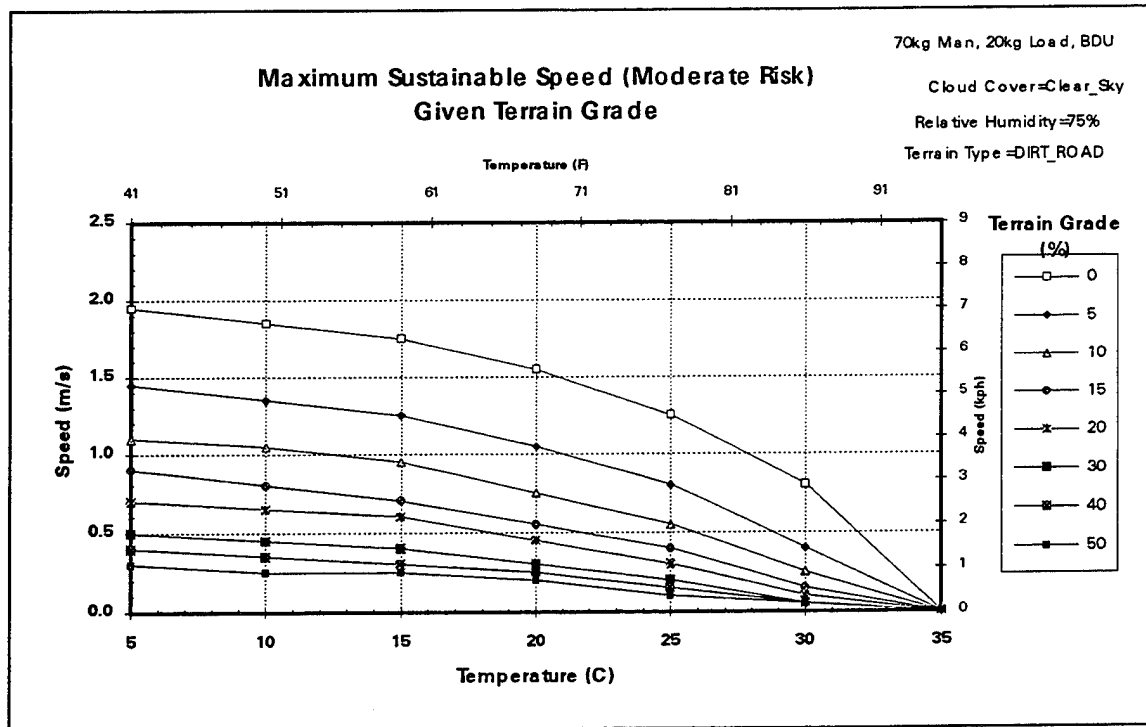


Figure C-18. Maximum Sustainable Speed By Temperature Given Terrain Grade, Moderate Risk, Dirt Road, Clear Sky, 75% Relative Humidity.

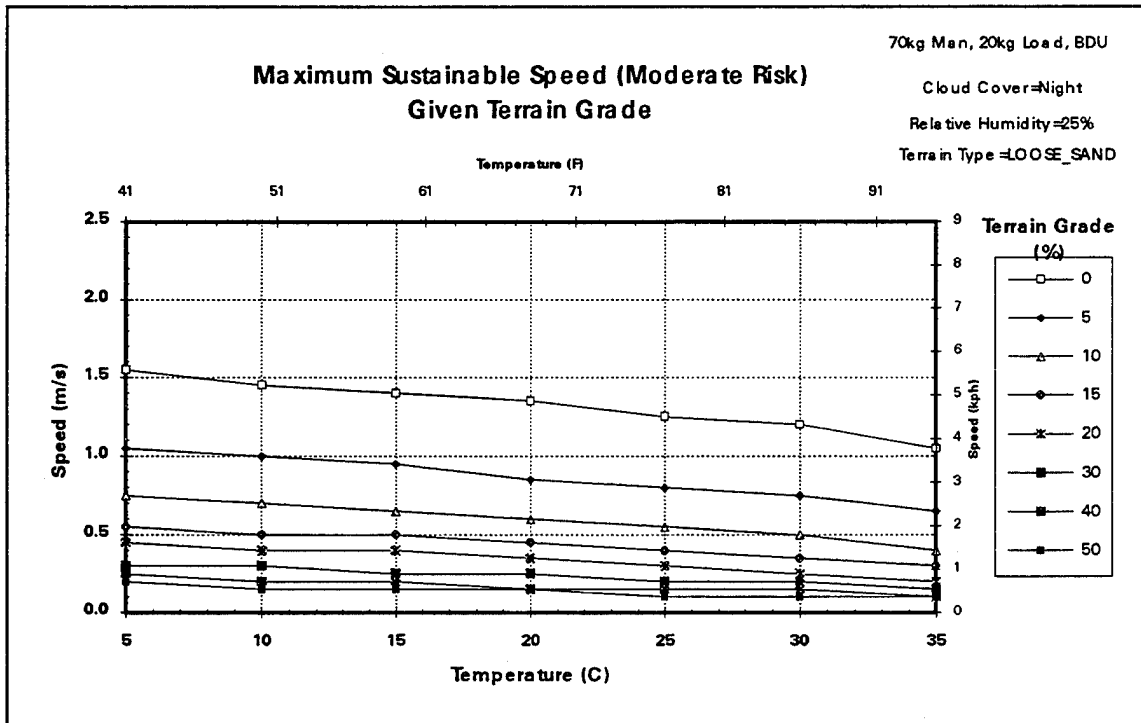


Figure C-19. Maximum Sustainable Speed By Temperature Given Terrain Grade, Moderate Risk, Loose Sand, Night, 25% Relative Humidity

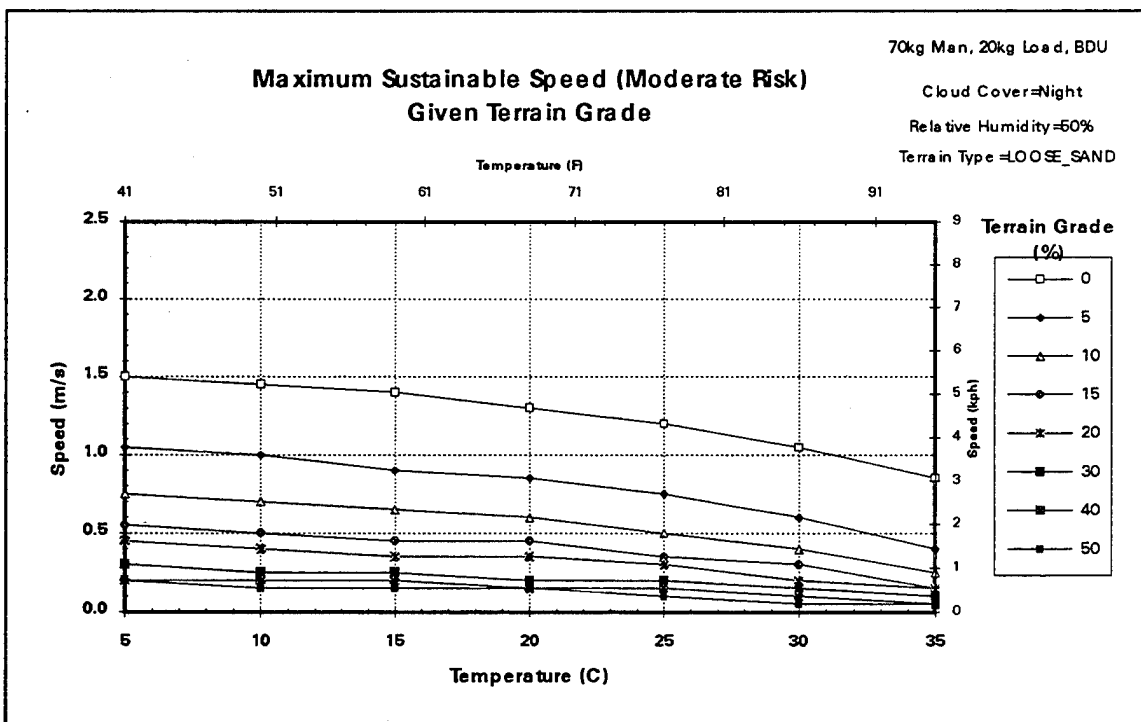


Figure C-20. Maximum Sustainable Speed By Temperature Given Terrain Grade, Moderate Risk, Loose Sand, Night, 50% Relative Humidity.

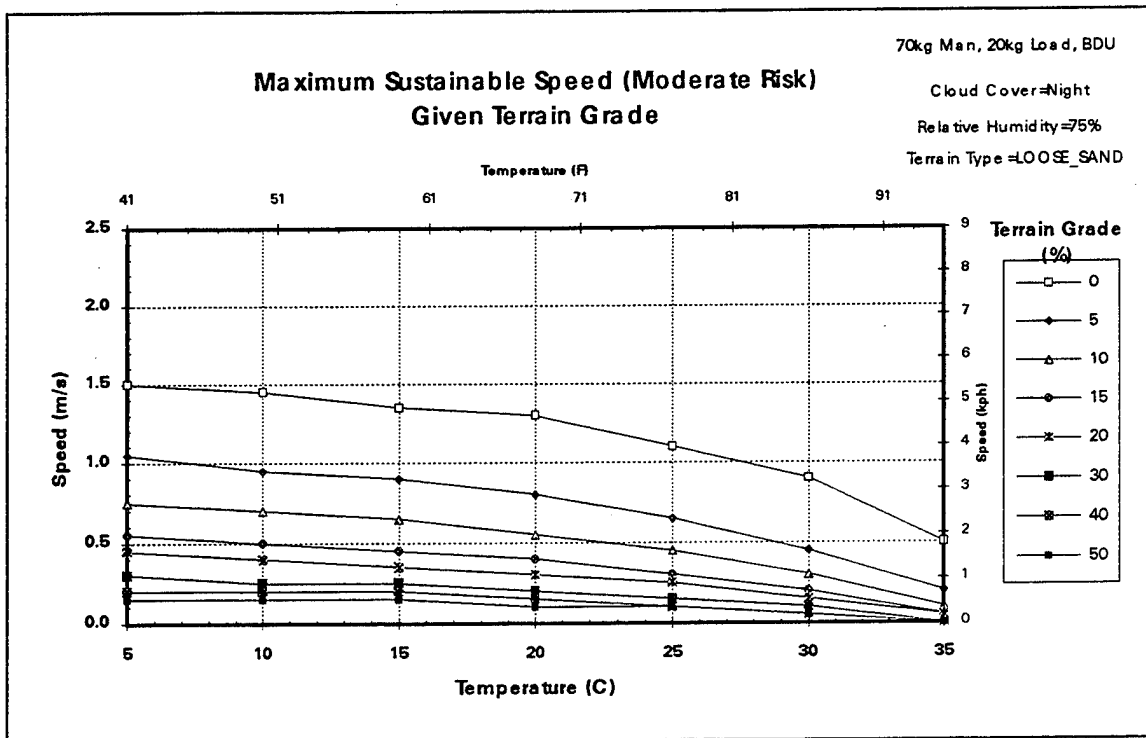


Figure C-21. Maximum Sustainable Speed By Temperature Given Terrain Grade, Moderate Risk, Loose Sand, Night, 75% Relative Humidity.

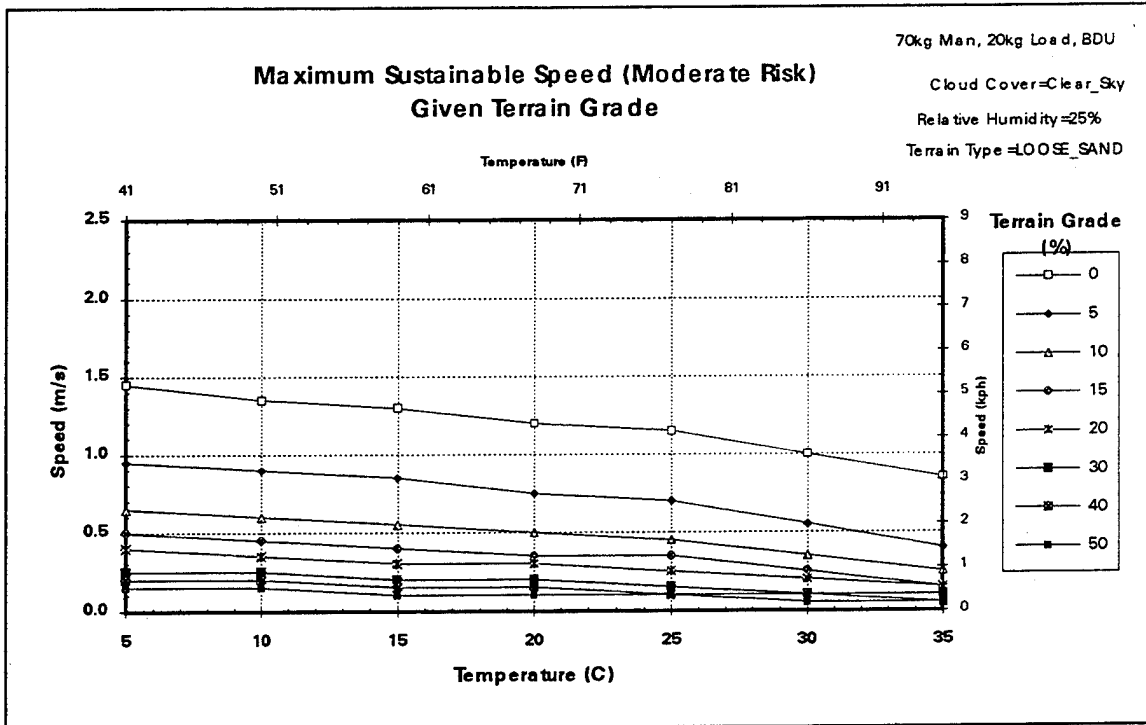


Figure C-22. Maximum Sustainable Speed By Temperature Given Terrain Grade, Moderate Risk, Loose Sand, Clear Sky, 25% Relative Humidity.

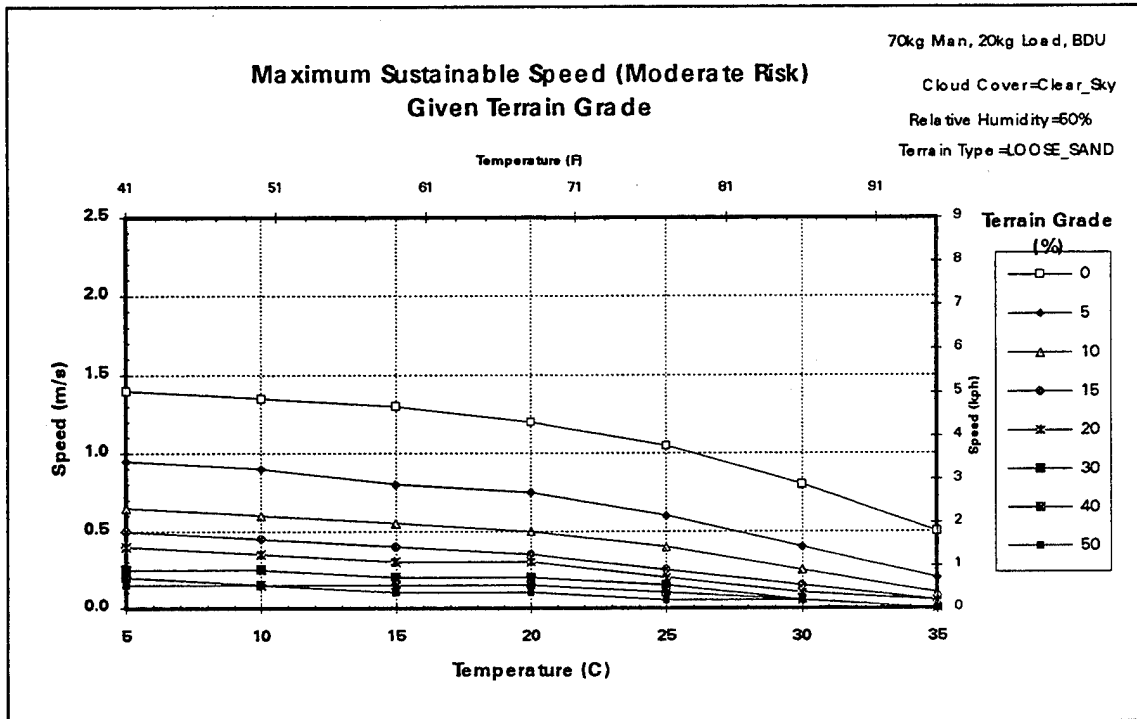


Figure C-23. Maximum Sustainable Speed By Temperature Given Terrain Grade, Moderate Risk, Loose Sand, Clear Sky, 50% Relative Humidity.

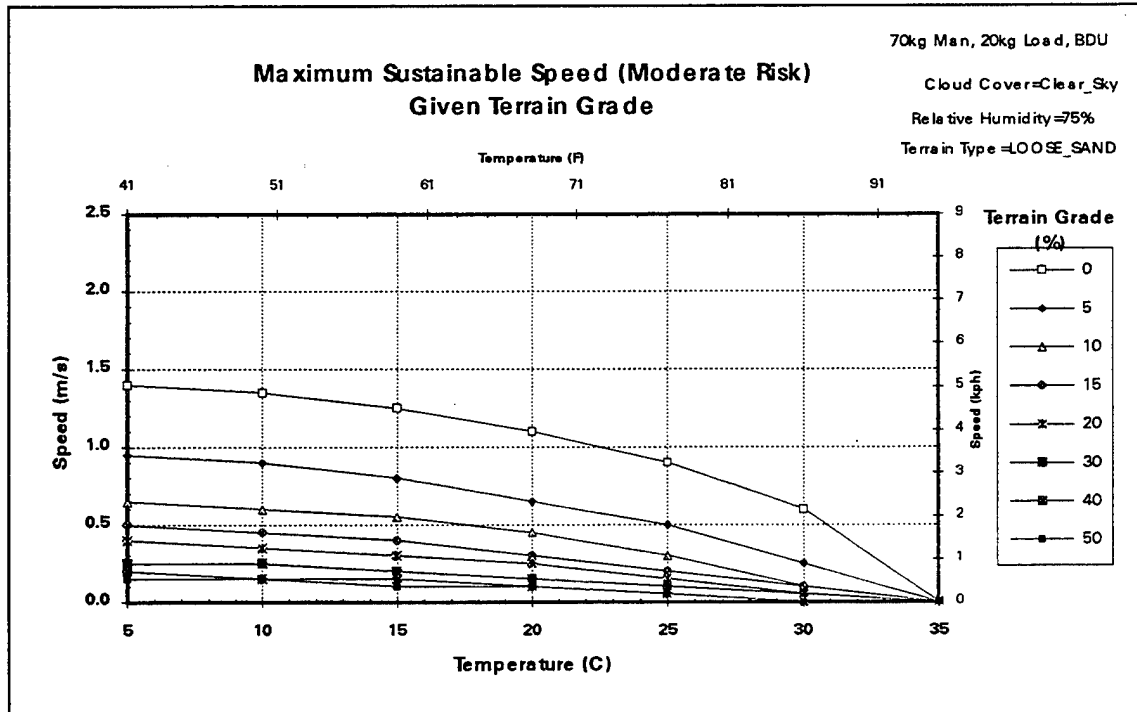


Figure C-24. Maximum Sustainable Speed By Temperature Given Terrain Grade, Moderate Risk, Loose Sand, Clear Sky, 75% Relative Humidity.

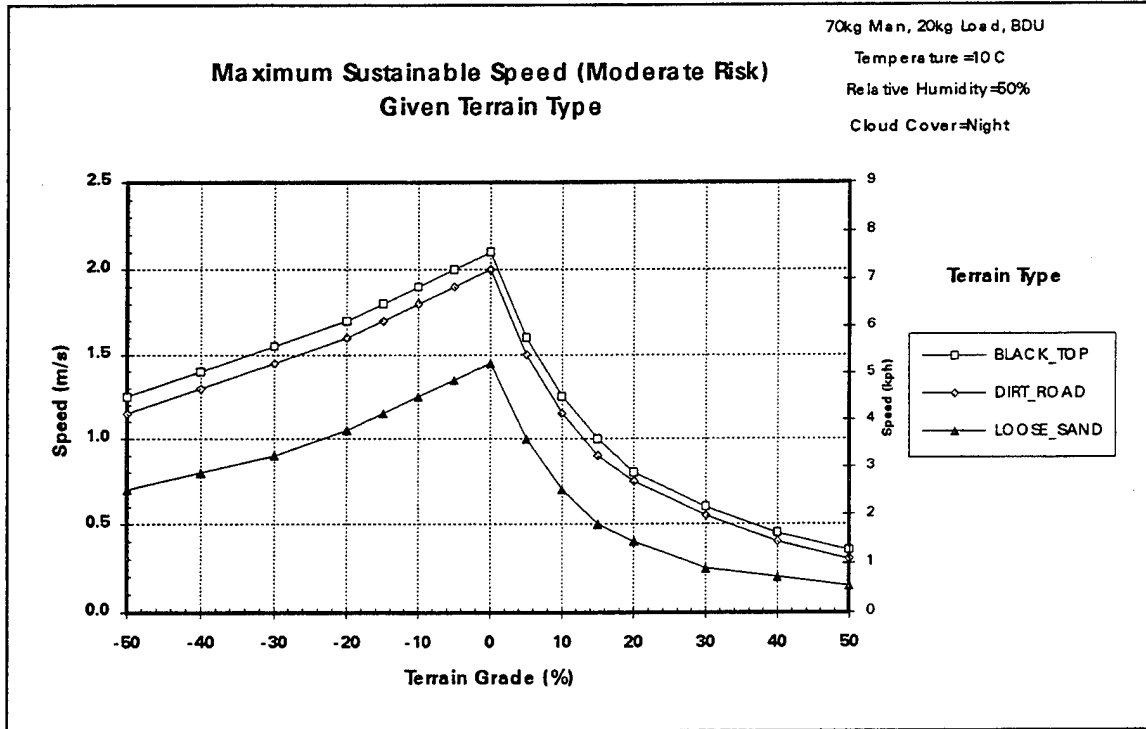


Figure C-25. Maximum Sustainable Speed By Terrain Grade Given Type, 10 °C, 50% Relative Humidity, Night.

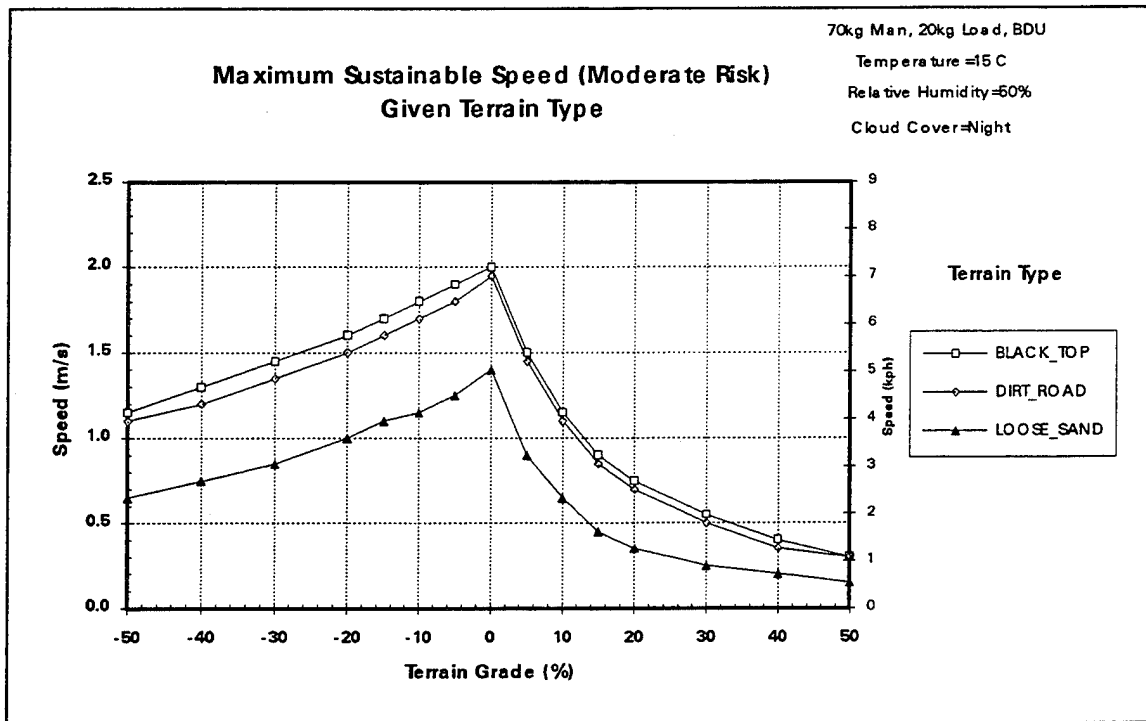


Figure C-26. Maximum Sustainable Speed By Terrain Grade Given Type, 15 °C, 50% Relative Humidity, Night.

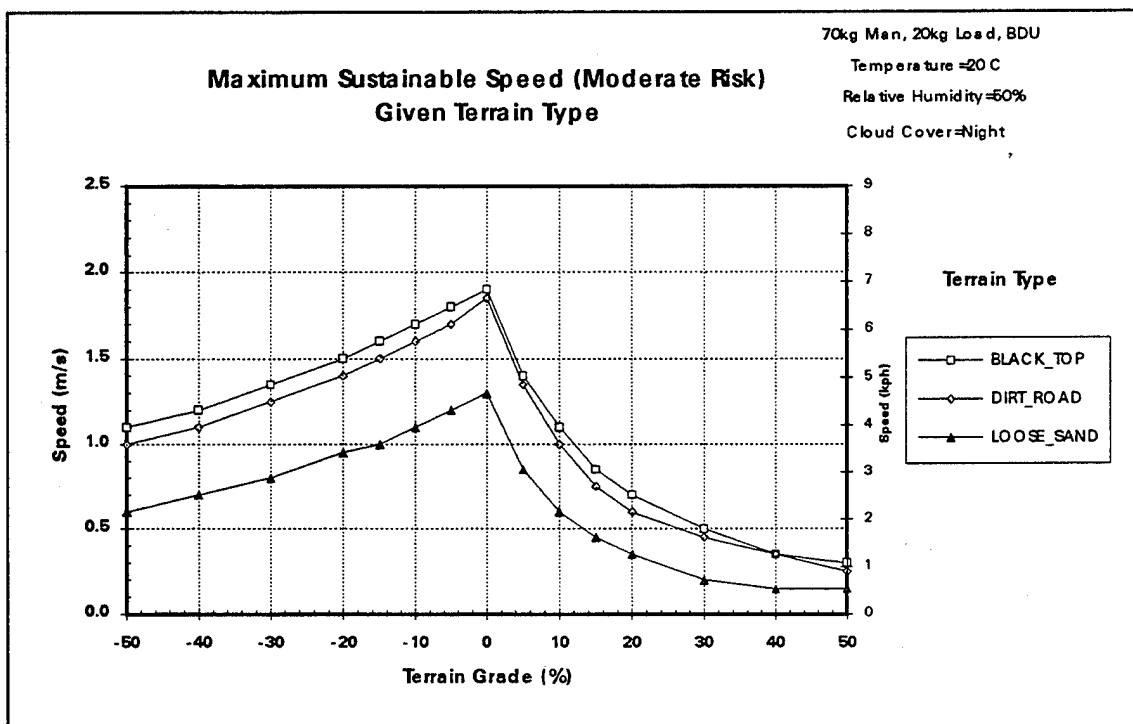


Figure C-27. Maximum Sustainable Speed By Terrain Grade Given Type, 20 °C, 50% Relative Humidity, Night.

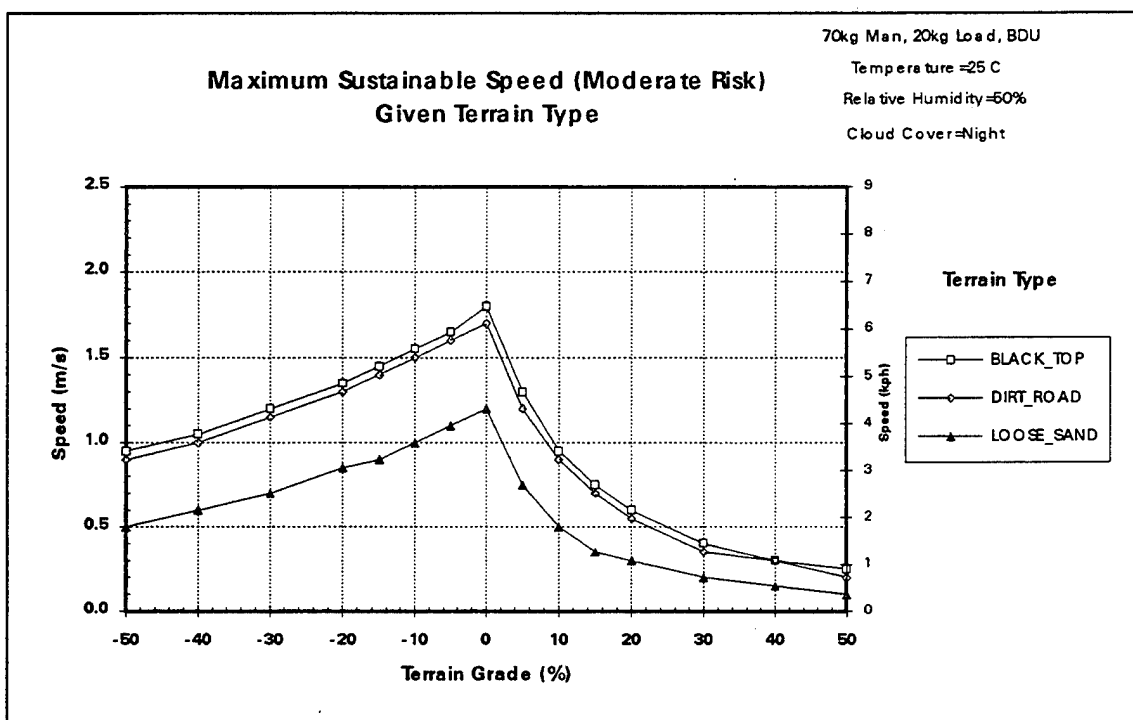


Figure C-28. Maximum Sustainable Speed By Terrain Grade Given Type, 25 °C, 50% Relative Humidity, Night

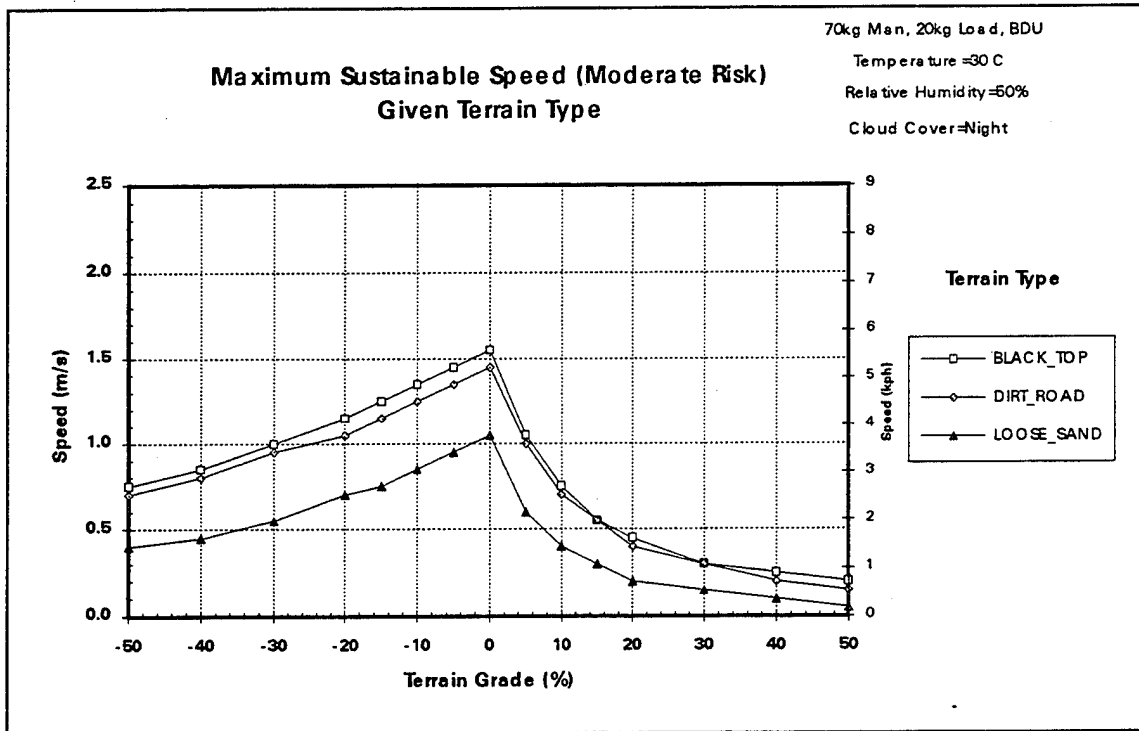


Figure C-29. Maximum Sustainable Speed By Terrain Grade Given Type, 30 °C, 50% Relative Humidity, Night.

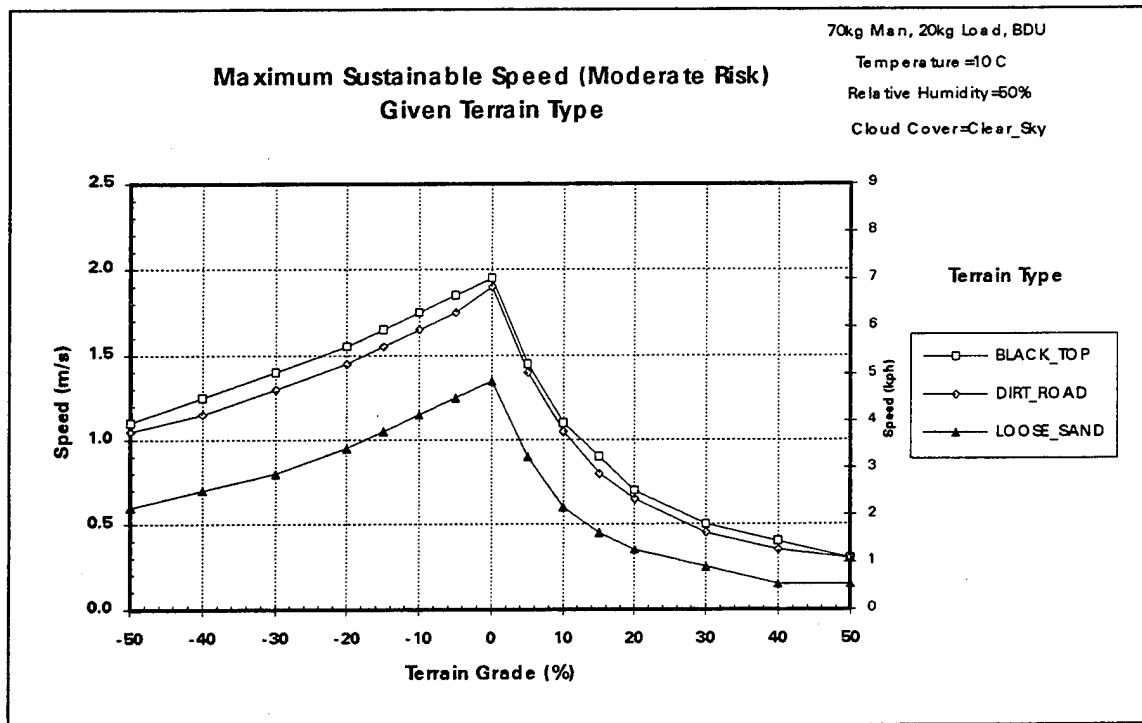


Figure C-30. Maximum Sustainable Speed By Terrain Grade Given Type, 10 °C, 50% Relative Humidity, Clear Sky.

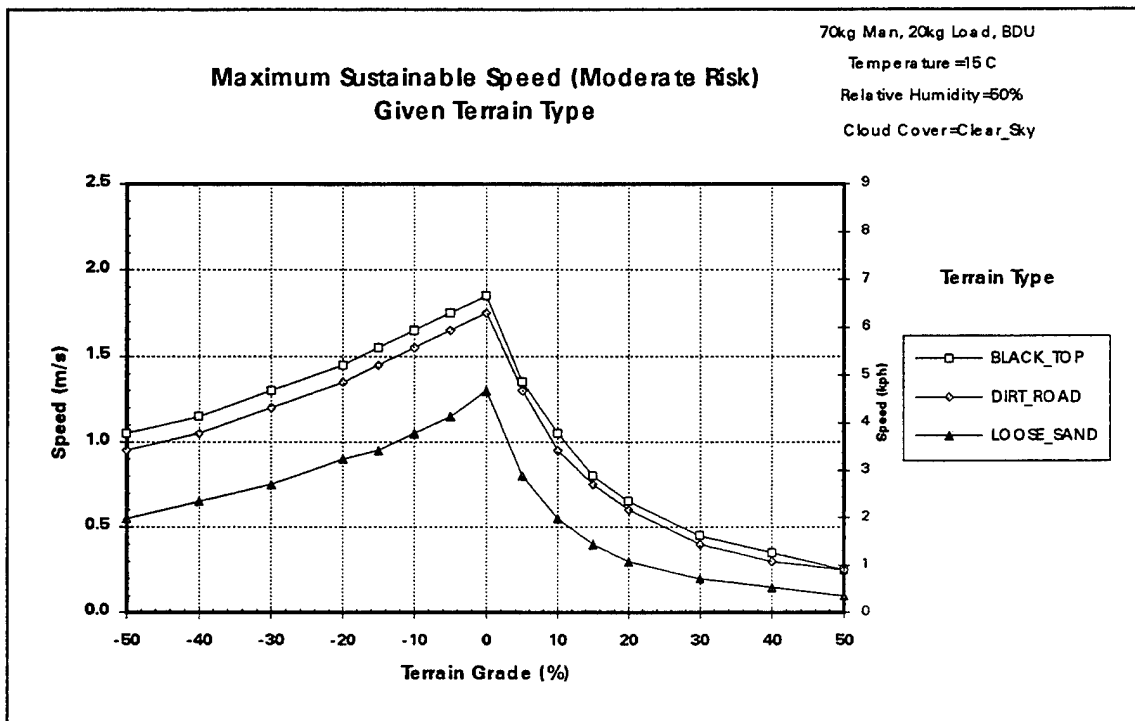


Figure C-31. Maximum Sustainable Speed By Terrain Grade Given Type, 15 °C, 50% Relative Humidity, Clear Sky.

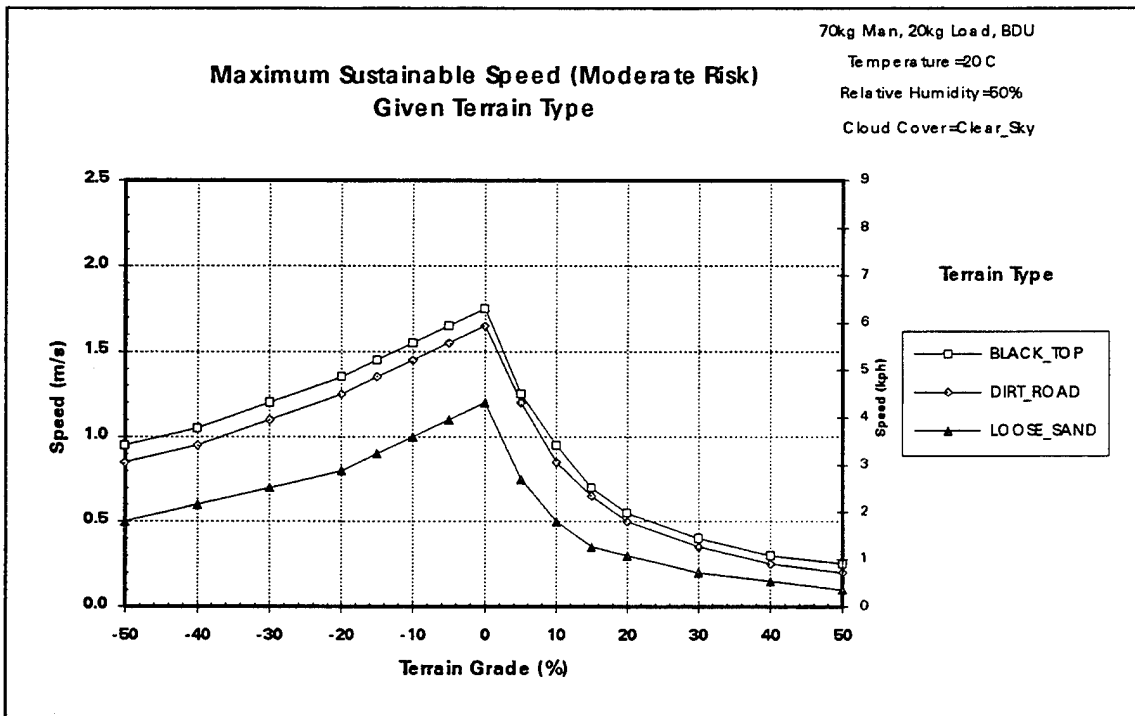


Figure C-32. Maximum Sustainable Speed By Terrain Grade Given Type, 20 °C, 50% Relative Humidity, Clear Sky.

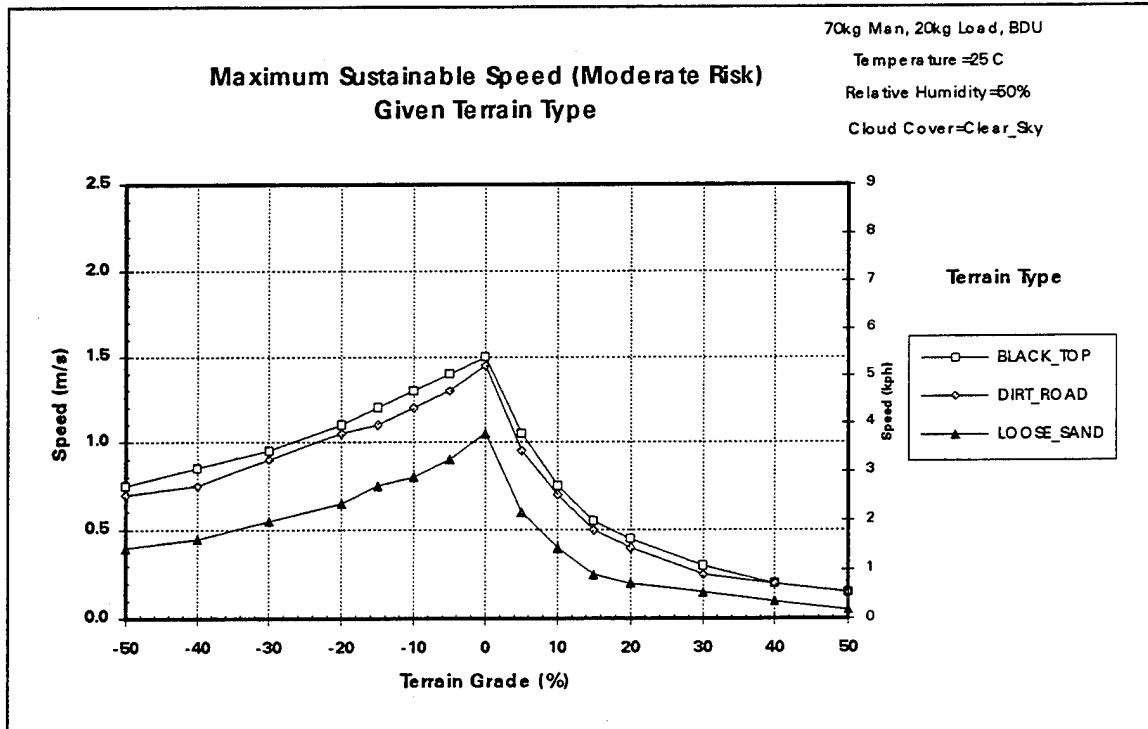


Figure C-33. Maximum Sustainable Speed By Terrain Grade Given Type, 25 °C, 50% Relative Humidity, Clear Sky.

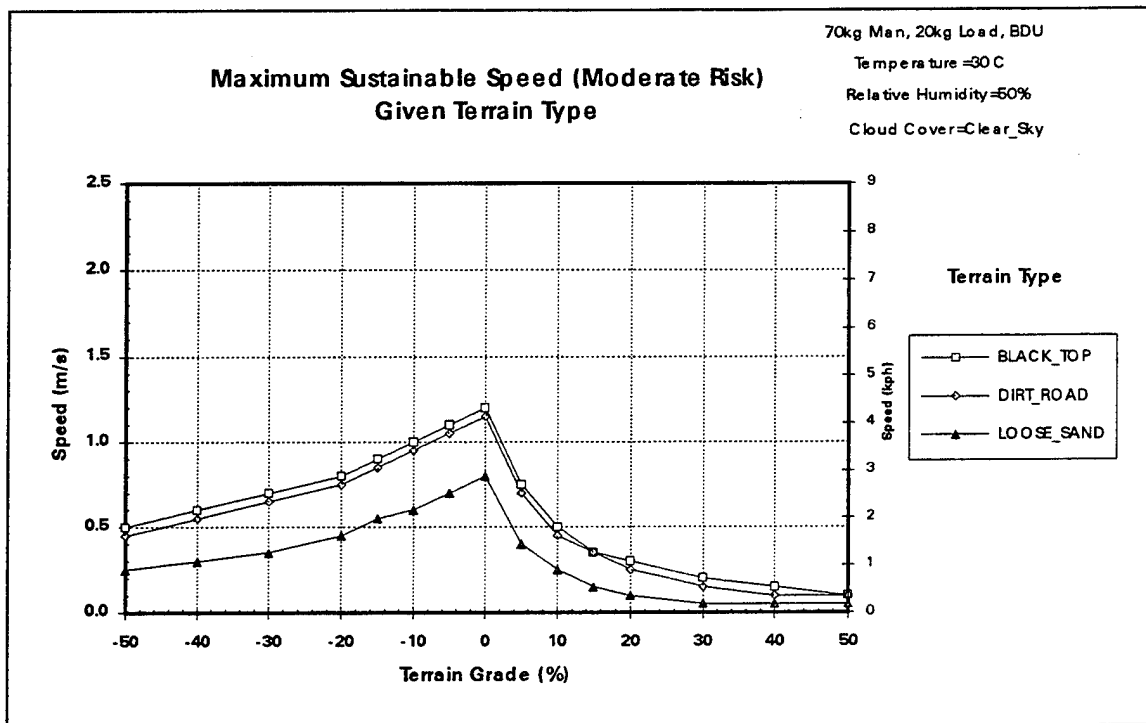


Figure C-34. Maximum Sustainable Speed By Terrain Grade Given Type, 30 °C, 50% Relative Humidity, Clear Sky.

Appendix D

Maximum Sustainable Speed Tables, Clear Sky

Table D-1. Maximum Sustainable Speed, Clear Sky, 5% Humidity, 5°C (41°F)

| Cloud Cover | RH (%) | °C | °F | Terrain Type | Grade (%) | Max Sustainable Speed (meters/second) | | | Max Sustainable Speed (kilometers/hour) | | | Max Sustainable Speed (miles/hour) | | |
|-------------|--------|----|----|--------------|-----------|---------------------------------------|------|------|---|-----|------|------------------------------------|-----|------|
| | | | | | | Risk Level | | | Risk Level | | | Risk Level | | |
| | | | | | | Low | Mod | High | Low | Mod | High | Low | Mod | High |
| Clear_Sky | 5 | 5 | 41 | BLACK_TOP | -50 | 1.00 | 1.25 | 1.60 | 3.6 | 4.5 | 5.8 | 2.2 | 2.8 | 3.6 |
| Clear_Sky | 5 | 5 | 41 | BLACK_TOP | -40 | 1.10 | 1.35 | 1.75 | 4.0 | 4.9 | 6.3 | 2.5 | 3.0 | 3.9 |
| Clear_Sky | 5 | 5 | 41 | BLACK_TOP | -30 | 1.25 | 1.50 | 1.90 | 4.5 | 5.4 | 6.8 | 2.8 | 3.4 | 4.3 |
| Clear_Sky | 5 | 5 | 41 | BLACK_TOP | -20 | 1.40 | 1.70 | 2.10 | 5.0 | 6.1 | 7.6 | 3.1 | 3.8 | 4.7 |
| Clear_Sky | 5 | 5 | 41 | BLACK_TOP | -15 | 1.50 | 1.75 | 2.20 | 5.4 | 6.3 | 7.9 | 3.4 | 3.9 | 4.9 |
| Clear_Sky | 5 | 5 | 41 | BLACK_TOP | -10 | 1.60 | 1.85 | 2.30 | 5.8 | 6.7 | 8.3 | 3.6 | 4.1 | 5.2 |
| Clear_Sky | 5 | 5 | 41 | BLACK_TOP | -5 | 1.70 | 2.00 | 2.40 | 6.1 | 7.2 | 8.6 | 3.8 | 4.5 | 5.4 |
| Clear_Sky | 5 | 5 | 41 | BLACK_TOP | 0 | 1.80 | 2.10 | 2.50 | 6.5 | 7.6 | 9.0 | 4.0 | 4.7 | 5.6 |
| Clear_Sky | 5 | 5 | 41 | BLACK_TOP | 5 | 1.30 | 1.60 | 2.00 | 4.7 | 5.8 | 7.2 | 2.9 | 3.6 | 4.5 |
| Clear_Sky | 5 | 5 | 41 | BLACK_TOP | 10 | 1.00 | 1.25 | 1.60 | 3.6 | 4.5 | 5.8 | 2.2 | 2.8 | 3.6 |
| Clear_Sky | 5 | 5 | 41 | BLACK_TOP | 15 | 0.75 | 0.95 | 1.30 | 2.7 | 3.4 | 4.7 | 1.7 | 2.1 | 2.9 |
| Clear_Sky | 5 | 5 | 41 | BLACK_TOP | 20 | 0.60 | 0.80 | 1.10 | 2.2 | 2.9 | 4.0 | 1.3 | 1.8 | 2.5 |
| Clear_Sky | 5 | 5 | 41 | BLACK_TOP | 30 | 0.45 | 0.55 | 0.80 | 1.6 | 2.0 | 2.9 | 1.0 | 1.2 | 1.8 |
| Clear_Sky | 5 | 5 | 41 | BLACK_TOP | 40 | 0.35 | 0.45 | 0.65 | 1.3 | 1.6 | 2.3 | 0.8 | 1.0 | 1.5 |
| Clear_Sky | 5 | 5 | 41 | BLACK_TOP | 50 | 0.25 | 0.35 | 0.50 | 0.9 | 1.3 | 1.8 | 0.6 | 0.8 | 1.1 |
| Clear_Sky | 5 | 5 | 41 | DIRT_ROAD | -50 | 0.90 | 1.15 | 1.50 | 3.2 | 4.1 | 5.4 | 2.0 | 2.6 | 3.4 |
| Clear_Sky | 5 | 5 | 41 | DIRT_ROAD | -40 | 1.05 | 1.25 | 1.65 | 3.8 | 4.5 | 5.9 | 2.4 | 2.8 | 3.7 |
| Clear_Sky | 5 | 5 | 41 | DIRT_ROAD | -30 | 1.15 | 1.40 | 1.80 | 4.1 | 5.0 | 6.5 | 2.6 | 3.1 | 4.0 |
| Clear_Sky | 5 | 5 | 41 | DIRT_ROAD | -20 | 1.30 | 1.60 | 2.00 | 4.7 | 5.8 | 7.2 | 2.9 | 3.6 | 4.5 |
| Clear_Sky | 5 | 5 | 41 | DIRT_ROAD | -15 | 1.40 | 1.65 | 2.10 | 5.0 | 5.9 | 7.6 | 3.1 | 3.7 | 4.7 |
| Clear_Sky | 5 | 5 | 41 | DIRT_ROAD | -10 | 1.50 | 1.75 | 2.20 | 5.4 | 6.3 | 7.9 | 3.4 | 3.9 | 4.9 |
| Clear_Sky | 5 | 5 | 41 | DIRT_ROAD | -5 | 1.60 | 1.90 | 2.30 | 5.8 | 6.8 | 8.3 | 3.6 | 4.3 | 5.2 |
| Clear_Sky | 5 | 5 | 41 | DIRT_ROAD | 0 | 1.75 | 2.00 | 2.40 | 6.3 | 7.2 | 8.6 | 3.9 | 4.5 | 5.4 |
| Clear_Sky | 5 | 5 | 41 | DIRT_ROAD | 5 | 1.25 | 1.50 | 1.90 | 4.5 | 5.4 | 6.8 | 2.8 | 3.4 | 4.3 |
| Clear_Sky | 5 | 5 | 41 | DIRT_ROAD | 10 | 0.90 | 1.15 | 1.50 | 3.2 | 4.1 | 5.4 | 2.0 | 2.6 | 3.4 |
| Clear_Sky | 5 | 5 | 41 | DIRT_ROAD | 15 | 0.70 | 0.90 | 1.20 | 2.5 | 3.2 | 4.3 | 1.6 | 2.0 | 2.7 |
| Clear_Sky | 5 | 5 | 41 | DIRT_ROAD | 20 | 0.55 | 0.75 | 1.00 | 2.0 | 2.7 | 3.6 | 1.2 | 1.7 | 2.2 |
| Clear_Sky | 5 | 5 | 41 | DIRT_ROAD | 30 | 0.40 | 0.50 | 0.75 | 1.4 | 1.8 | 2.7 | 0.9 | 1.1 | 1.7 |
| Clear_Sky | 5 | 5 | 41 | DIRT_ROAD | 40 | 0.30 | 0.40 | 0.55 | 1.1 | 1.4 | 2.0 | 0.7 | 0.9 | 1.2 |
| Clear_Sky | 5 | 5 | 41 | DIRT_ROAD | 50 | 0.25 | 0.30 | 0.45 | 0.9 | 1.1 | 1.6 | 0.6 | 0.7 | 1.0 |
| Clear_Sky | 5 | 5 | 41 | LOOSE_SAND | -50 | 0.55 | 0.70 | 0.90 | 2.0 | 2.5 | 3.2 | 1.2 | 1.6 | 2.0 |
| Clear_Sky | 5 | 5 | 41 | LOOSE_SAND | -40 | 0.60 | 0.80 | 1.05 | 2.2 | 2.9 | 3.8 | 1.3 | 1.8 | 2.4 |
| Clear_Sky | 5 | 5 | 41 | LOOSE_SAND | -30 | 0.75 | 0.90 | 1.15 | 2.7 | 3.2 | 4.1 | 1.7 | 2.0 | 2.6 |
| Clear_Sky | 5 | 5 | 41 | LOOSE_SAND | -20 | 0.85 | 1.05 | 1.35 | 3.1 | 3.8 | 4.9 | 1.9 | 2.4 | 3.0 |
| Clear_Sky | 5 | 5 | 41 | LOOSE_SAND | -15 | 0.95 | 1.15 | 1.40 | 3.4 | 4.1 | 5.0 | 2.1 | 2.6 | 3.1 |
| Clear_Sky | 5 | 5 | 41 | LOOSE_SAND | -10 | 1.05 | 1.20 | 1.50 | 3.8 | 4.3 | 5.4 | 2.4 | 2.7 | 3.4 |
| Clear_Sky | 5 | 5 | 41 | LOOSE_SAND | -5 | 1.15 | 1.30 | 1.60 | 4.1 | 4.7 | 5.8 | 2.6 | 2.9 | 3.6 |
| Clear_Sky | 5 | 5 | 41 | LOOSE_SAND | 0 | 1.25 | 1.45 | 1.75 | 4.5 | 5.2 | 6.3 | 2.8 | 3.2 | 3.9 |
| Clear_Sky | 5 | 5 | 41 | LOOSE_SAND | 5 | 0.80 | 0.95 | 1.25 | 2.9 | 3.4 | 4.5 | 1.8 | 2.1 | 2.8 |
| Clear_Sky | 5 | 5 | 41 | LOOSE_SAND | 10 | 0.55 | 0.70 | 0.90 | 2.0 | 2.5 | 3.2 | 1.2 | 1.6 | 2.0 |
| Clear_Sky | 5 | 5 | 41 | LOOSE_SAND | 15 | 0.40 | 0.50 | 0.70 | 1.4 | 1.8 | 2.5 | 0.9 | 1.1 | 1.6 |
| Clear_Sky | 5 | 5 | 41 | LOOSE_SAND | 20 | 0.30 | 0.40 | 0.55 | 1.1 | 1.4 | 2.0 | 0.7 | 0.9 | 1.2 |
| Clear_Sky | 5 | 5 | 41 | LOOSE_SAND | 30 | 0.20 | 0.25 | 0.40 | 0.7 | 0.9 | 1.4 | 0.4 | 0.6 | 0.9 |
| Clear_Sky | 5 | 5 | 41 | LOOSE_SAND | 40 | 0.15 | 0.20 | 0.30 | 0.5 | 0.7 | 1.1 | 0.3 | 0.4 | 0.7 |
| Clear_Sky | 5 | 5 | 41 | LOOSE_SAND | 50 | 0.10 | 0.15 | 0.25 | 0.4 | 0.5 | 0.9 | 0.2 | 0.3 | 0.6 |

Table D-2. Maximum Sustainable Speed, Clear Sky, 5% Humidity, 10°C (50°F)

| Cloud Cover | RH (%) | °C | °F | Terrain Type | Grade (%) | Max Sustainable Speed (meters/second) | | | Max Sustainable Speed (kilometers/hour) | | | Max Sustainable Speed (miles/hour) | | |
|-------------|--------|----|----|--------------|-----------|---------------------------------------|------|------|---|-----|------|------------------------------------|-----|------|
| | | | | | | Risk Level | | | Risk Level | | | Risk Level | | |
| | | | | | | Low | Mod | High | Low | Mod | High | Low | Mod | High |
| Clear_Sky | 5 | 10 | 50 | BLACK_TOP | -50 | 0.90 | 1.15 | 1.50 | 3.2 | 4.1 | 5.4 | 2.0 | 2.6 | 3.4 |
| Clear_Sky | 5 | 10 | 50 | BLACK_TOP | -40 | 1.00 | 1.25 | 1.65 | 3.6 | 4.5 | 5.9 | 2.2 | 2.8 | 3.7 |
| Clear_Sky | 5 | 10 | 50 | BLACK_TOP | -30 | 1.15 | 1.40 | 1.80 | 4.1 | 5.0 | 6.5 | 2.6 | 3.1 | 4.0 |
| Clear_Sky | 5 | 10 | 50 | BLACK_TOP | -20 | 1.30 | 1.60 | 2.00 | 4.7 | 5.8 | 7.2 | 2.9 | 3.6 | 4.5 |
| Clear_Sky | 5 | 10 | 50 | BLACK_TOP | -15 | 1.40 | 1.70 | 2.10 | 5.0 | 6.1 | 7.6 | 3.1 | 3.8 | 4.7 |
| Clear_Sky | 5 | 10 | 50 | BLACK_TOP | -10 | 1.50 | 1.80 | 2.20 | 5.4 | 6.5 | 7.9 | 3.4 | 4.0 | 4.9 |
| Clear_Sky | 5 | 10 | 50 | BLACK_TOP | -5 | 1.60 | 1.90 | 2.30 | 5.8 | 6.8 | 8.3 | 3.6 | 4.3 | 5.2 |
| Clear_Sky | 5 | 10 | 50 | BLACK_TOP | 0 | 1.70 | 2.00 | 2.40 | 6.1 | 7.2 | 8.6 | 3.8 | 4.5 | 5.4 |
| Clear_Sky | 5 | 10 | 50 | BLACK_TOP | 5 | 1.25 | 1.50 | 1.90 | 4.5 | 5.4 | 6.8 | 2.8 | 3.4 | 4.3 |
| Clear_Sky | 5 | 10 | 50 | BLACK_TOP | 10 | 0.90 | 1.15 | 1.50 | 3.2 | 4.1 | 5.4 | 2.0 | 2.6 | 3.4 |
| Clear_Sky | 5 | 10 | 50 | BLACK_TOP | 15 | 0.70 | 0.90 | 1.25 | 2.5 | 3.2 | 4.5 | 1.6 | 2.0 | 2.8 |
| Clear_Sky | 5 | 10 | 50 | BLACK_TOP | 20 | 0.55 | 0.75 | 1.00 | 2.0 | 2.7 | 3.6 | 1.2 | 1.7 | 2.2 |
| Clear_Sky | 5 | 10 | 50 | BLACK_TOP | 30 | 0.40 | 0.50 | 0.75 | 1.4 | 1.8 | 2.7 | 0.9 | 1.1 | 1.7 |
| Clear_Sky | 5 | 10 | 50 | BLACK_TOP | 40 | 0.30 | 0.40 | 0.60 | 1.1 | 1.4 | 2.2 | 0.7 | 0.9 | 1.3 |
| Clear_Sky | 5 | 10 | 50 | BLACK_TOP | 50 | 0.25 | 0.30 | 0.45 | 0.9 | 1.1 | 1.6 | 0.6 | 0.7 | 1.0 |
| Clear_Sky | 5 | 10 | 50 | DIRT_ROAD | -50 | 0.85 | 1.05 | 1.40 | 3.1 | 3.8 | 5.0 | 1.9 | 2.4 | 3.1 |
| Clear_Sky | 5 | 10 | 50 | DIRT_ROAD | -40 | 0.95 | 1.20 | 1.55 | 3.4 | 4.3 | 5.6 | 2.1 | 2.7 | 3.5 |
| Clear_Sky | 5 | 10 | 50 | DIRT_ROAD | -30 | 1.10 | 1.35 | 1.70 | 4.0 | 4.9 | 6.1 | 2.5 | 3.0 | 3.8 |
| Clear_Sky | 5 | 10 | 50 | DIRT_ROAD | -20 | 1.25 | 1.50 | 1.90 | 4.5 | 5.4 | 6.8 | 2.8 | 3.4 | 4.3 |
| Clear_Sky | 5 | 10 | 50 | DIRT_ROAD | -15 | 1.30 | 1.60 | 2.00 | 4.7 | 5.8 | 7.2 | 2.9 | 3.6 | 4.5 |
| Clear_Sky | 5 | 10 | 50 | DIRT_ROAD | -10 | 1.40 | 1.70 | 2.10 | 5.0 | 6.1 | 7.6 | 3.1 | 3.8 | 4.7 |
| Clear_Sky | 5 | 10 | 50 | DIRT_ROAD | -5 | 1.50 | 1.80 | 2.20 | 5.4 | 6.5 | 7.9 | 3.4 | 4.0 | 4.9 |
| Clear_Sky | 5 | 10 | 50 | DIRT_ROAD | 0 | 1.65 | 1.90 | 2.30 | 5.9 | 6.8 | 8.3 | 3.7 | 4.3 | 5.2 |
| Clear_Sky | 5 | 10 | 50 | DIRT_ROAD | 5 | 1.15 | 1.40 | 1.80 | 4.1 | 5.0 | 6.5 | 2.6 | 3.1 | 4.0 |
| Clear_Sky | 5 | 10 | 50 | DIRT_ROAD | 10 | 0.85 | 1.05 | 1.40 | 3.1 | 3.8 | 5.0 | 1.9 | 2.4 | 3.1 |
| Clear_Sky | 5 | 10 | 50 | DIRT_ROAD | 15 | 0.65 | 0.85 | 1.15 | 2.3 | 3.1 | 4.1 | 1.5 | 1.9 | 2.6 |
| Clear_Sky | 5 | 10 | 50 | DIRT_ROAD | 20 | 0.50 | 0.65 | 0.95 | 1.8 | 2.3 | 3.4 | 1.1 | 1.5 | 2.1 |
| Clear_Sky | 5 | 10 | 50 | DIRT_ROAD | 30 | 0.35 | 0.45 | 0.70 | 1.3 | 1.6 | 2.5 | 0.8 | 1.0 | 1.6 |
| Clear_Sky | 5 | 10 | 50 | DIRT_ROAD | 40 | 0.25 | 0.35 | 0.55 | 0.9 | 1.3 | 2.0 | 0.6 | 0.8 | 1.2 |
| Clear_Sky | 5 | 10 | 50 | DIRT_ROAD | 50 | 0.20 | 0.30 | 0.40 | 0.7 | 1.1 | 1.4 | 0.4 | 0.7 | 0.9 |
| Clear_Sky | 5 | 10 | 50 | LOOSE_SAND | -50 | 0.50 | 0.65 | 0.85 | 1.8 | 2.3 | 3.1 | 1.1 | 1.5 | 1.9 |
| Clear_Sky | 5 | 10 | 50 | LOOSE_SAND | -40 | 0.55 | 0.70 | 0.95 | 2.0 | 2.5 | 3.4 | 1.2 | 1.6 | 2.1 |
| Clear_Sky | 5 | 10 | 50 | LOOSE_SAND | -30 | 0.65 | 0.85 | 1.10 | 2.3 | 3.1 | 4.0 | 1.5 | 1.9 | 2.5 |
| Clear_Sky | 5 | 10 | 50 | LOOSE_SAND | -20 | 0.80 | 1.00 | 1.25 | 2.9 | 3.6 | 4.5 | 1.8 | 2.2 | 2.8 |
| Clear_Sky | 5 | 10 | 50 | LOOSE_SAND | -15 | 0.90 | 1.05 | 1.35 | 3.2 | 3.8 | 4.9 | 2.0 | 2.4 | 3.0 |
| Clear_Sky | 5 | 10 | 50 | LOOSE_SAND | -10 | 0.95 | 1.15 | 1.45 | 3.4 | 4.1 | 5.2 | 2.1 | 2.6 | 3.2 |
| Clear_Sky | 5 | 10 | 50 | LOOSE_SAND | -5 | 1.05 | 1.25 | 1.55 | 3.8 | 4.5 | 5.6 | 2.4 | 2.8 | 3.5 |
| Clear_Sky | 5 | 10 | 50 | LOOSE_SAND | 0 | 1.20 | 1.35 | 1.65 | 4.3 | 4.9 | 5.9 | 2.7 | 3.0 | 3.7 |
| Clear_Sky | 5 | 10 | 50 | LOOSE_SAND | 5 | 0.75 | 0.90 | 1.20 | 2.7 | 3.2 | 4.3 | 1.7 | 2.0 | 2.7 |
| Clear_Sky | 5 | 10 | 50 | LOOSE_SAND | 10 | 0.50 | 0.65 | 0.85 | 1.8 | 2.3 | 3.1 | 1.1 | 1.5 | 1.9 |
| Clear_Sky | 5 | 10 | 50 | LOOSE_SAND | 15 | 0.35 | 0.45 | 0.65 | 1.3 | 1.6 | 2.3 | 0.8 | 1.0 | 1.5 |
| Clear_Sky | 5 | 10 | 50 | LOOSE_SAND | 20 | 0.25 | 0.35 | 0.50 | 0.9 | 1.3 | 1.8 | 0.6 | 0.8 | 1.1 |
| Clear_Sky | 5 | 10 | 50 | LOOSE_SAND | 30 | 0.20 | 0.25 | 0.35 | 0.7 | 0.9 | 1.3 | 0.4 | 0.6 | 0.8 |
| Clear_Sky | 5 | 10 | 50 | LOOSE_SAND | 40 | 0.15 | 0.20 | 0.25 | 0.5 | 0.7 | 0.9 | 0.3 | 0.4 | 0.6 |
| Clear_Sky | 5 | 10 | 50 | LOOSE_SAND | 50 | 0.10 | 0.15 | 0.20 | 0.4 | 0.5 | 0.7 | 0.2 | 0.3 | 0.4 |

Table D-3. Maximum Sustainable Speed, Clear Sky, 5% Humidity, 15°C (59°F)

| Cloud Cover | RH (%) | °C | °F | Terrain Type | Grade (%) | Max Sustainable Speed (meters/second) | | | Max Sustainable Speed (kilometers/hour) | | | Max Sustainable Speed (miles/hour) | | |
|-------------|--------|----|----|--------------|-----------|---------------------------------------|------|------|---|-----|------|------------------------------------|-----|------|
| | | | | | | Risk Level | | | Risk Level | | | Risk Level | | |
| | | | | | | Low | Mod | High | Low | Mod | High | Low | Mod | High |
| Clear_Sky | 5 | 15 | 59 | BLACK_TOP | -50 | 0.80 | 1.05 | 1.40 | 2.9 | 3.8 | 5.0 | 1.8 | 2.4 | 3.1 |
| Clear_Sky | 5 | 15 | 59 | BLACK_TOP | -40 | 0.90 | 1.20 | 1.55 | 3.2 | 4.3 | 5.6 | 2.0 | 2.7 | 3.5 |
| Clear_Sky | 5 | 15 | 59 | BLACK_TOP | -30 | 1.05 | 1.30 | 1.70 | 3.8 | 4.7 | 6.1 | 2.4 | 2.9 | 3.8 |
| Clear_Sky | 5 | 15 | 59 | BLACK_TOP | -20 | 1.20 | 1.50 | 1.85 | 4.3 | 5.4 | 6.7 | 2.7 | 3.4 | 4.1 |
| Clear_Sky | 5 | 15 | 59 | BLACK_TOP | -15 | 1.30 | 1.60 | 1.95 | 4.7 | 5.8 | 7.0 | 2.9 | 3.6 | 4.4 |
| Clear_Sky | 5 | 15 | 59 | BLACK_TOP | -10 | 1.40 | 1.70 | 2.05 | 5.0 | 6.1 | 7.4 | 3.1 | 3.8 | 4.6 |
| Clear_Sky | 5 | 15 | 59 | BLACK_TOP | -5 | 1.50 | 1.80 | 2.20 | 5.4 | 6.5 | 7.9 | 3.4 | 4.0 | 4.9 |
| Clear_Sky | 5 | 15 | 59 | BLACK_TOP | 0 | 1.60 | 1.90 | 2.30 | 5.8 | 6.8 | 8.3 | 3.6 | 4.3 | 5.2 |
| Clear_Sky | 5 | 15 | 59 | BLACK_TOP | 5 | 1.15 | 1.40 | 1.80 | 4.1 | 5.0 | 6.5 | 2.6 | 3.1 | 4.0 |
| Clear_Sky | 5 | 15 | 59 | BLACK_TOP | 10 | 0.80 | 1.05 | 1.40 | 2.9 | 3.8 | 5.0 | 1.8 | 2.4 | 3.1 |
| Clear_Sky | 5 | 15 | 59 | BLACK_TOP | 15 | 0.60 | 0.80 | 1.15 | 2.2 | 2.9 | 4.1 | 1.3 | 1.8 | 2.6 |
| Clear_Sky | 5 | 15 | 59 | BLACK_TOP | 20 | 0.50 | 0.65 | 0.95 | 1.8 | 2.3 | 3.4 | 1.1 | 1.5 | 2.1 |
| Clear_Sky | 5 | 15 | 59 | BLACK_TOP | 30 | 0.35 | 0.45 | 0.65 | 1.3 | 1.6 | 2.3 | 0.8 | 1.0 | 1.5 |
| Clear_Sky | 5 | 15 | 59 | BLACK_TOP | 40 | 0.25 | 0.35 | 0.50 | 0.9 | 1.3 | 1.8 | 0.6 | 0.8 | 1.1 |
| Clear_Sky | 5 | 15 | 59 | BLACK_TOP | 50 | 0.20 | 0.30 | 0.40 | 0.7 | 1.1 | 1.4 | 0.4 | 0.7 | 0.9 |
| Clear_Sky | 5 | 15 | 59 | DIRT_ROAD | -50 | 0.75 | 1.00 | 1.30 | 2.7 | 3.6 | 4.7 | 1.7 | 2.2 | 2.9 |
| Clear_Sky | 5 | 15 | 59 | DIRT_ROAD | -40 | 0.85 | 1.10 | 1.45 | 3.1 | 4.0 | 5.2 | 1.9 | 2.5 | 3.2 |
| Clear_Sky | 5 | 15 | 59 | DIRT_ROAD | -30 | 1.00 | 1.25 | 1.60 | 3.6 | 4.5 | 5.8 | 2.2 | 2.8 | 3.6 |
| Clear_Sky | 5 | 15 | 59 | DIRT_ROAD | -20 | 1.15 | 1.40 | 1.75 | 4.1 | 5.0 | 6.3 | 2.6 | 3.1 | 3.9 |
| Clear_Sky | 5 | 15 | 59 | DIRT_ROAD | -15 | 1.20 | 1.50 | 1.85 | 4.3 | 5.4 | 6.7 | 2.7 | 3.4 | 4.1 |
| Clear_Sky | 5 | 15 | 59 | DIRT_ROAD | -10 | 1.30 | 1.60 | 1.95 | 4.7 | 5.8 | 7.0 | 2.9 | 3.6 | 4.4 |
| Clear_Sky | 5 | 15 | 59 | DIRT_ROAD | -5 | 1.40 | 1.70 | 2.05 | 5.0 | 6.1 | 7.4 | 3.1 | 3.8 | 4.6 |
| Clear_Sky | 5 | 15 | 59 | DIRT_ROAD | 0 | 1.55 | 1.80 | 2.20 | 5.6 | 6.5 | 7.9 | 3.5 | 4.0 | 4.9 |
| Clear_Sky | 5 | 15 | 59 | DIRT_ROAD | 5 | 1.05 | 1.30 | 1.70 | 3.8 | 4.7 | 6.1 | 2.4 | 2.9 | 3.8 |
| Clear_Sky | 5 | 15 | 59 | DIRT_ROAD | 10 | 0.75 | 1.00 | 1.30 | 2.7 | 3.6 | 4.7 | 1.7 | 2.2 | 2.9 |
| Clear_Sky | 5 | 15 | 59 | DIRT_ROAD | 15 | 0.55 | 0.75 | 1.05 | 2.0 | 2.7 | 3.8 | 1.2 | 1.7 | 2.4 |
| Clear_Sky | 5 | 15 | 59 | DIRT_ROAD | 20 | 0.45 | 0.60 | 0.85 | 1.6 | 2.2 | 3.1 | 1.0 | 1.3 | 1.9 |
| Clear_Sky | 5 | 15 | 59 | DIRT_ROAD | 30 | 0.30 | 0.45 | 0.60 | 1.1 | 1.6 | 2.2 | 0.7 | 1.0 | 1.3 |
| Clear_Sky | 5 | 15 | 59 | DIRT_ROAD | 40 | 0.25 | 0.30 | 0.45 | 0.9 | 1.1 | 1.6 | 0.6 | 0.7 | 1.0 |
| Clear_Sky | 5 | 15 | 59 | DIRT_ROAD | 50 | 0.20 | 0.25 | 0.40 | 0.7 | 0.9 | 1.4 | 0.4 | 0.6 | 0.9 |
| Clear_Sky | 5 | 15 | 59 | LOOSE_SAND | -50 | 0.45 | 0.55 | 0.80 | 1.6 | 2.0 | 2.9 | 1.0 | 1.2 | 1.8 |
| Clear_Sky | 5 | 15 | 59 | LOOSE_SAND | -40 | 0.50 | 0.65 | 0.90 | 1.8 | 2.3 | 3.2 | 1.1 | 1.5 | 2.0 |
| Clear_Sky | 5 | 15 | 59 | LOOSE_SAND | -30 | 0.60 | 0.75 | 1.00 | 2.2 | 2.7 | 3.6 | 1.3 | 1.7 | 2.2 |
| Clear_Sky | 5 | 15 | 59 | LOOSE_SAND | -20 | 0.75 | 0.90 | 1.15 | 2.7 | 3.2 | 4.1 | 1.7 | 2.0 | 2.6 |
| Clear_Sky | 5 | 15 | 59 | LOOSE_SAND | -15 | 0.80 | 1.00 | 1.25 | 2.9 | 3.6 | 4.5 | 1.8 | 2.2 | 2.8 |
| Clear_Sky | 5 | 15 | 59 | LOOSE_SAND | -10 | 0.90 | 1.10 | 1.35 | 3.2 | 4.0 | 4.9 | 2.0 | 2.5 | 3.0 |
| Clear_Sky | 5 | 15 | 59 | LOOSE_SAND | -5 | 1.00 | 1.20 | 1.45 | 3.6 | 4.3 | 5.2 | 2.2 | 2.7 | 3.2 |
| Clear_Sky | 5 | 15 | 59 | LOOSE_SAND | 0 | 1.10 | 1.30 | 1.55 | 4.0 | 4.7 | 5.6 | 2.5 | 2.9 | 3.5 |
| Clear_Sky | 5 | 15 | 59 | LOOSE_SAND | 5 | 0.65 | 0.85 | 1.10 | 2.3 | 3.1 | 4.0 | 1.5 | 1.9 | 2.5 |
| Clear_Sky | 5 | 15 | 59 | LOOSE_SAND | 10 | 0.45 | 0.55 | 0.80 | 1.6 | 2.0 | 2.9 | 1.0 | 1.2 | 1.8 |
| Clear_Sky | 5 | 15 | 59 | LOOSE_SAND | 15 | 0.30 | 0.40 | 0.60 | 1.1 | 1.4 | 2.2 | 0.7 | 0.9 | 1.3 |
| Clear_Sky | 5 | 15 | 59 | LOOSE_SAND | 20 | 0.25 | 0.35 | 0.45 | 0.9 | 1.3 | 1.6 | 0.6 | 0.8 | 1.0 |
| Clear_Sky | 5 | 15 | 59 | LOOSE_SAND | 30 | 0.15 | 0.20 | 0.30 | 0.5 | 0.7 | 1.1 | 0.3 | 0.4 | 0.7 |
| Clear_Sky | 5 | 15 | 59 | LOOSE_SAND | 40 | 0.10 | 0.15 | 0.25 | 0.4 | 0.5 | 0.9 | 0.2 | 0.3 | 0.6 |
| Clear_Sky | 5 | 15 | 59 | LOOSE_SAND | 50 | 0.10 | 0.10 | 0.20 | 0.4 | 0.4 | 0.7 | 0.2 | 0.2 | 0.4 |

Table D-4. Maximum Sustainable Speed, Clear Sky, 5% Humidity, 20°C (68°F)

| Cloud Cover | RH (%) | °C | °F | Terrain Type | Grade (%) | Max Sustainable Speed (meters/second) | | | Max Sustainable Speed (kilometers/hour) | | | Max Sustainable Speed (miles/hour) | | |
|-------------|--------|----|----|--------------|-----------|---------------------------------------|------|------|---|-----|------|------------------------------------|-----|------|
| | | | | | | Risk Level | | | Risk Level | | | Risk Level | | |
| | | | | | | Low | Mod | High | Low | Mod | High | Low | Mod | High |
| Clear_Sky | 5 | 20 | 68 | BLACK_TOP | -50 | 0.75 | 0.95 | 1.30 | 2.7 | 3.4 | 4.7 | 1.7 | 2.1 | 2.9 |
| Clear_Sky | 5 | 20 | 68 | BLACK_TOP | -40 | 0.85 | 1.10 | 1.40 | 3.1 | 4.0 | 5.0 | 1.9 | 2.5 | 3.1 |
| Clear_Sky | 5 | 20 | 68 | BLACK_TOP | -30 | 0.95 | 1.20 | 1.55 | 3.4 | 4.3 | 5.6 | 2.1 | 2.7 | 3.5 |
| Clear_Sky | 5 | 20 | 68 | BLACK_TOP | -20 | 1.10 | 1.40 | 1.75 | 4.0 | 5.0 | 6.3 | 2.5 | 3.1 | 3.9 |
| Clear_Sky | 5 | 20 | 68 | BLACK_TOP | -15 | 1.20 | 1.50 | 1.85 | 4.3 | 5.4 | 6.7 | 2.7 | 3.4 | 4.1 |
| Clear_Sky | 5 | 20 | 68 | BLACK_TOP | -10 | 1.30 | 1.60 | 1.95 | 4.7 | 5.8 | 7.0 | 2.9 | 3.6 | 4.4 |
| Clear_Sky | 5 | 20 | 68 | BLACK_TOP | -5 | 1.40 | 1.70 | 2.05 | 5.0 | 6.1 | 7.4 | 3.1 | 3.8 | 4.6 |
| Clear_Sky | 5 | 20 | 68 | BLACK_TOP | 0 | 1.50 | 1.80 | 2.15 | 5.4 | 6.5 | 7.7 | 3.4 | 4.0 | 4.8 |
| Clear_Sky | 5 | 20 | 68 | BLACK_TOP | 5 | 1.00 | 1.30 | 1.65 | 3.6 | 4.7 | 5.9 | 2.2 | 2.9 | 3.7 |
| Clear_Sky | 5 | 20 | 68 | BLACK_TOP | 10 | 0.75 | 0.95 | 1.30 | 2.7 | 3.4 | 4.7 | 1.7 | 2.1 | 2.9 |
| Clear_Sky | 5 | 20 | 68 | BLACK_TOP | 15 | 0.55 | 0.75 | 1.00 | 2.0 | 2.7 | 3.6 | 1.2 | 1.7 | 2.2 |
| Clear_Sky | 5 | 20 | 68 | BLACK_TOP | 20 | 0.45 | 0.60 | 0.85 | 1.6 | 2.2 | 3.1 | 1.0 | 1.3 | 1.9 |
| Clear_Sky | 5 | 20 | 68 | BLACK_TOP | 30 | 0.30 | 0.40 | 0.60 | 1.1 | 1.4 | 2.2 | 0.7 | 0.9 | 1.3 |
| Clear_Sky | 5 | 20 | 68 | BLACK_TOP | 40 | 0.20 | 0.30 | 0.45 | 0.7 | 1.1 | 1.6 | 0.4 | 0.7 | 1.0 |
| Clear_Sky | 5 | 20 | 68 | BLACK_TOP | 50 | 0.15 | 0.25 | 0.35 | 0.5 | 0.9 | 1.3 | 0.3 | 0.6 | 0.8 |
| Clear_Sky | 5 | 20 | 68 | DIRT_ROAD | -50 | 0.65 | 0.90 | 1.20 | 2.3 | 3.2 | 4.3 | 1.5 | 2.0 | 2.7 |
| Clear_Sky | 5 | 20 | 68 | DIRT_ROAD | -40 | 0.75 | 1.00 | 1.30 | 2.7 | 3.6 | 4.7 | 1.7 | 2.2 | 2.9 |
| Clear_Sky | 5 | 20 | 68 | DIRT_ROAD | -30 | 0.90 | 1.15 | 1.45 | 3.2 | 4.1 | 5.2 | 2.0 | 2.6 | 3.2 |
| Clear_Sky | 5 | 20 | 68 | DIRT_ROAD | -20 | 1.05 | 1.30 | 1.65 | 3.8 | 4.7 | 5.9 | 2.4 | 2.9 | 3.7 |
| Clear_Sky | 5 | 20 | 68 | DIRT_ROAD | -15 | 1.10 | 1.40 | 1.75 | 4.0 | 5.0 | 6.3 | 2.5 | 3.1 | 3.9 |
| Clear_Sky | 5 | 20 | 68 | DIRT_ROAD | -10 | 1.20 | 1.50 | 1.85 | 4.3 | 5.4 | 6.7 | 2.7 | 3.4 | 4.1 |
| Clear_Sky | 5 | 20 | 68 | DIRT_ROAD | -5 | 1.30 | 1.60 | 1.95 | 4.7 | 5.8 | 7.0 | 2.9 | 3.6 | 4.4 |
| Clear_Sky | 5 | 20 | 68 | DIRT_ROAD | 0 | 1.45 | 1.70 | 2.05 | 5.2 | 6.1 | 7.4 | 3.2 | 3.8 | 4.6 |
| Clear_Sky | 5 | 20 | 68 | DIRT_ROAD | 5 | 0.95 | 1.20 | 1.55 | 3.4 | 4.3 | 5.6 | 2.1 | 2.7 | 3.5 |
| Clear_Sky | 5 | 20 | 68 | DIRT_ROAD | 10 | 0.65 | 0.90 | 1.20 | 2.3 | 3.2 | 4.3 | 1.5 | 2.0 | 2.7 |
| Clear_Sky | 5 | 20 | 68 | DIRT_ROAD | 15 | 0.50 | 0.70 | 0.95 | 1.8 | 2.5 | 3.4 | 1.1 | 1.6 | 2.1 |
| Clear_Sky | 5 | 20 | 68 | DIRT_ROAD | 20 | 0.40 | 0.55 | 0.75 | 1.4 | 2.0 | 2.7 | 0.9 | 1.2 | 1.7 |
| Clear_Sky | 5 | 20 | 68 | DIRT_ROAD | 30 | 0.25 | 0.40 | 0.55 | 0.9 | 1.4 | 2.0 | 0.6 | 0.9 | 1.2 |
| Clear_Sky | 5 | 20 | 68 | DIRT_ROAD | 40 | 0.20 | 0.30 | 0.40 | 0.7 | 1.1 | 1.4 | 0.4 | 0.7 | 0.9 |
| Clear_Sky | 5 | 20 | 68 | DIRT_ROAD | 50 | 0.15 | 0.25 | 0.35 | 0.5 | 0.9 | 1.3 | 0.3 | 0.6 | 0.8 |
| Clear_Sky | 5 | 20 | 68 | LOOSE_SAND | -50 | 0.40 | 0.50 | 0.70 | 1.4 | 1.8 | 2.5 | 0.9 | 1.1 | 1.6 |
| Clear_Sky | 5 | 20 | 68 | LOOSE_SAND | -40 | 0.45 | 0.60 | 0.80 | 1.6 | 2.2 | 2.9 | 1.0 | 1.3 | 1.8 |
| Clear_Sky | 5 | 20 | 68 | LOOSE_SAND | -30 | 0.55 | 0.70 | 0.95 | 2.0 | 2.5 | 3.4 | 1.2 | 1.6 | 2.1 |
| Clear_Sky | 5 | 20 | 68 | LOOSE_SAND | -20 | 0.65 | 0.85 | 1.10 | 2.3 | 3.1 | 4.0 | 1.5 | 1.9 | 2.5 |
| Clear_Sky | 5 | 20 | 68 | LOOSE_SAND | -15 | 0.75 | 0.95 | 1.15 | 2.7 | 3.4 | 4.1 | 1.7 | 2.1 | 2.6 |
| Clear_Sky | 5 | 20 | 68 | LOOSE_SAND | -10 | 0.80 | 1.00 | 1.25 | 2.9 | 3.6 | 4.5 | 1.8 | 2.2 | 2.8 |
| Clear_Sky | 5 | 20 | 68 | LOOSE_SAND | -5 | 0.90 | 1.10 | 1.35 | 3.2 | 4.0 | 4.9 | 2.0 | 2.5 | 3.0 |
| Clear_Sky | 5 | 20 | 68 | LOOSE_SAND | 0 | 1.05 | 1.25 | 1.50 | 3.8 | 4.5 | 5.4 | 2.4 | 2.8 | 3.4 |
| Clear_Sky | 5 | 20 | 68 | LOOSE_SAND | 5 | 0.60 | 0.80 | 1.00 | 2.2 | 2.9 | 3.6 | 1.3 | 1.8 | 2.2 |
| Clear_Sky | 5 | 20 | 68 | LOOSE_SAND | 10 | 0.40 | 0.50 | 0.70 | 1.4 | 1.8 | 2.5 | 0.9 | 1.1 | 1.6 |
| Clear_Sky | 5 | 20 | 68 | LOOSE_SAND | 15 | 0.25 | 0.40 | 0.55 | 0.9 | 1.4 | 2.0 | 0.6 | 0.9 | 1.2 |
| Clear_Sky | 5 | 20 | 68 | LOOSE_SAND | 20 | 0.20 | 0.30 | 0.40 | 0.7 | 1.1 | 1.4 | 0.4 | 0.7 | 0.9 |
| Clear_Sky | 5 | 20 | 68 | LOOSE_SAND | 30 | 0.15 | 0.20 | 0.30 | 0.5 | 0.7 | 1.1 | 0.3 | 0.4 | 0.7 |
| Clear_Sky | 5 | 20 | 68 | LOOSE_SAND | 40 | 0.10 | 0.15 | 0.20 | 0.4 | 0.5 | 0.7 | 0.2 | 0.3 | 0.4 |
| Clear_Sky | 5 | 20 | 68 | LOOSE_SAND | 50 | 0.05 | 0.10 | 0.15 | 0.2 | 0.4 | 0.5 | 0.1 | 0.2 | 0.3 |

Table D-5. Maximum Sustainable Speed, Clear Sky, 5% Humidity, 25°C (77°F)

| Cloud Cover | RH (%) | °C | °F | Terrain Type | Grade (%) | Max Sustainable Speed (meters/second) | | | Max Sustainable Speed (kilometers/hour) | | | Max Sustainable Speed (miles/hour) | | |
|-------------|--------|----|----|--------------|-----------|---------------------------------------|------|------|---|-----|------|------------------------------------|-----|------|
| | | | | | | Risk Level | | | Risk Level | | | Risk Level | | |
| | | | | | | Low | Mod | High | Low | Mod | High | Low | Mod | High |
| Clear_Sky | 5 | 25 | 77 | BLACK_TOP | -50 | 0.65 | 0.90 | 1.15 | 2.3 | 3.2 | 4.1 | 1.5 | 2.0 | 2.6 |
| Clear_Sky | 5 | 25 | 77 | BLACK_TOP | -40 | 0.75 | 1.00 | 1.25 | 2.7 | 3.6 | 4.5 | 1.7 | 2.2 | 2.8 |
| Clear_Sky | 5 | 25 | 77 | BLACK_TOP | -30 | 0.85 | 1.15 | 1.40 | 3.1 | 4.1 | 5.0 | 1.9 | 2.6 | 3.1 |
| Clear_Sky | 5 | 25 | 77 | BLACK_TOP | -20 | 1.00 | 1.30 | 1.60 | 3.6 | 4.7 | 5.8 | 2.2 | 2.9 | 3.6 |
| Clear_Sky | 5 | 25 | 77 | BLACK_TOP | -15 | 1.10 | 1.35 | 1.70 | 4.0 | 4.9 | 6.1 | 2.5 | 3.0 | 3.8 |
| Clear_Sky | 5 | 25 | 77 | BLACK_TOP | -10 | 1.15 | 1.45 | 1.80 | 4.1 | 5.2 | 6.5 | 2.6 | 3.2 | 4.0 |
| Clear_Sky | 5 | 25 | 77 | BLACK_TOP | -5 | 1.25 | 1.60 | 1.90 | 4.5 | 5.8 | 6.8 | 2.8 | 3.6 | 4.3 |
| Clear_Sky | 5 | 25 | 77 | BLACK_TOP | 0 | 1.40 | 1.70 | 2.00 | 5.0 | 6.1 | 7.2 | 3.1 | 3.8 | 4.5 |
| Clear_Sky | 5 | 25 | 77 | BLACK_TOP | 5 | 0.90 | 1.20 | 1.50 | 3.2 | 4.3 | 5.4 | 2.0 | 2.7 | 3.4 |
| Clear_Sky | 5 | 25 | 77 | BLACK_TOP | 10 | 0.65 | 0.90 | 1.15 | 2.3 | 3.2 | 4.1 | 1.5 | 2.0 | 2.6 |
| Clear_Sky | 5 | 25 | 77 | BLACK_TOP | 15 | 0.45 | 0.65 | 0.90 | 1.6 | 2.3 | 3.2 | 1.0 | 1.5 | 2.0 |
| Clear_Sky | 5 | 25 | 77 | BLACK_TOP | 20 | 0.35 | 0.55 | 0.75 | 1.3 | 2.0 | 2.7 | 0.8 | 1.2 | 1.7 |
| Clear_Sky | 5 | 25 | 77 | BLACK_TOP | 30 | 0.25 | 0.35 | 0.50 | 0.9 | 1.3 | 1.8 | 0.6 | 0.8 | 1.1 |
| Clear_Sky | 5 | 25 | 77 | BLACK_TOP | 40 | 0.20 | 0.30 | 0.40 | 0.7 | 1.1 | 1.4 | 0.4 | 0.7 | 0.9 |
| Clear_Sky | 5 | 25 | 77 | BLACK_TOP | 50 | 0.15 | 0.20 | 0.30 | 0.5 | 0.7 | 1.1 | 0.3 | 0.4 | 0.7 |
| Clear_Sky | 5 | 25 | 77 | DIRT_ROAD | -50 | 0.60 | 0.80 | 1.05 | 2.2 | 2.9 | 3.8 | 1.3 | 1.8 | 2.4 |
| Clear_Sky | 5 | 25 | 77 | DIRT_ROAD | -40 | 0.70 | 0.90 | 1.20 | 2.5 | 3.2 | 4.3 | 1.6 | 2.0 | 2.7 |
| Clear_Sky | 5 | 25 | 77 | DIRT_ROAD | -30 | 0.80 | 1.05 | 1.35 | 2.9 | 3.8 | 4.9 | 1.8 | 2.4 | 3.0 |
| Clear_Sky | 5 | 25 | 77 | DIRT_ROAD | -20 | 0.95 | 1.20 | 1.50 | 3.4 | 4.3 | 5.4 | 2.1 | 2.7 | 3.4 |
| Clear_Sky | 5 | 25 | 77 | DIRT_ROAD | -15 | 1.00 | 1.30 | 1.60 | 3.6 | 4.7 | 5.8 | 2.2 | 2.9 | 3.6 |
| Clear_Sky | 5 | 25 | 77 | DIRT_ROAD | -10 | 1.10 | 1.40 | 1.70 | 4.0 | 5.0 | 6.1 | 2.5 | 3.1 | 3.8 |
| Clear_Sky | 5 | 25 | 77 | DIRT_ROAD | -5 | 1.20 | 1.50 | 1.80 | 4.3 | 5.4 | 6.5 | 2.7 | 3.4 | 4.0 |
| Clear_Sky | 5 | 25 | 77 | DIRT_ROAD | 0 | 1.30 | 1.60 | 1.90 | 4.7 | 5.8 | 6.8 | 2.9 | 3.6 | 4.3 |
| Clear_Sky | 5 | 25 | 77 | DIRT_ROAD | 5 | 0.85 | 1.15 | 1.40 | 3.1 | 4.1 | 5.0 | 1.9 | 2.6 | 3.1 |
| Clear_Sky | 5 | 25 | 77 | DIRT_ROAD | 10 | 0.60 | 0.80 | 1.05 | 2.2 | 2.9 | 3.8 | 1.3 | 1.8 | 2.4 |
| Clear_Sky | 5 | 25 | 77 | DIRT_ROAD | 15 | 0.45 | 0.60 | 0.85 | 1.6 | 2.2 | 3.1 | 1.0 | 1.3 | 1.9 |
| Clear_Sky | 5 | 25 | 77 | DIRT_ROAD | 20 | 0.35 | 0.50 | 0.65 | 1.3 | 1.8 | 2.3 | 0.8 | 1.1 | 1.5 |
| Clear_Sky | 5 | 25 | 77 | DIRT_ROAD | 30 | 0.20 | 0.35 | 0.45 | 0.7 | 1.3 | 1.6 | 0.4 | 0.8 | 1.0 |
| Clear_Sky | 5 | 25 | 77 | DIRT_ROAD | 40 | 0.15 | 0.25 | 0.35 | 0.5 | 0.9 | 1.3 | 0.3 | 0.6 | 0.8 |
| Clear_Sky | 5 | 25 | 77 | DIRT_ROAD | 50 | 0.15 | 0.20 | 0.30 | 0.5 | 0.7 | 1.1 | 0.3 | 0.4 | 0.7 |
| Clear_Sky | 5 | 25 | 77 | LOOSE_SAND | -50 | 0.35 | 0.45 | 0.65 | 1.3 | 1.6 | 2.3 | 0.8 | 1.0 | 1.5 |
| Clear_Sky | 5 | 25 | 77 | LOOSE_SAND | -40 | 0.40 | 0.55 | 0.70 | 1.4 | 2.0 | 2.5 | 0.9 | 1.2 | 1.6 |
| Clear_Sky | 5 | 25 | 77 | LOOSE_SAND | -30 | 0.45 | 0.65 | 0.85 | 1.6 | 2.3 | 3.1 | 1.0 | 1.5 | 1.9 |
| Clear_Sky | 5 | 25 | 77 | LOOSE_SAND | -20 | 0.60 | 0.80 | 1.00 | 2.2 | 2.9 | 3.6 | 1.3 | 1.8 | 2.2 |
| Clear_Sky | 5 | 25 | 77 | LOOSE_SAND | -15 | 0.65 | 0.85 | 1.05 | 2.3 | 3.1 | 3.8 | 1.5 | 1.9 | 2.4 |
| Clear_Sky | 5 | 25 | 77 | LOOSE_SAND | -10 | 0.75 | 0.95 | 1.15 | 2.7 | 3.4 | 4.1 | 1.7 | 2.1 | 2.6 |
| Clear_Sky | 5 | 25 | 77 | LOOSE_SAND | -5 | 0.85 | 1.05 | 1.25 | 3.1 | 3.8 | 4.5 | 1.9 | 2.4 | 2.8 |
| Clear_Sky | 5 | 25 | 77 | LOOSE_SAND | 0 | 0.95 | 1.15 | 1.40 | 3.4 | 4.1 | 5.0 | 2.1 | 2.6 | 3.1 |
| Clear_Sky | 5 | 25 | 77 | LOOSE_SAND | 5 | 0.55 | 0.70 | 0.90 | 2.0 | 2.5 | 3.2 | 1.2 | 1.6 | 2.0 |
| Clear_Sky | 5 | 25 | 77 | LOOSE_SAND | 10 | 0.35 | 0.45 | 0.65 | 1.3 | 1.6 | 2.3 | 0.8 | 1.0 | 1.5 |
| Clear_Sky | 5 | 25 | 77 | LOOSE_SAND | 15 | 0.25 | 0.35 | 0.45 | 0.9 | 1.3 | 1.6 | 0.6 | 0.8 | 1.0 |
| Clear_Sky | 5 | 25 | 77 | LOOSE_SAND | 20 | 0.15 | 0.25 | 0.35 | 0.5 | 0.9 | 1.3 | 0.3 | 0.6 | 0.8 |
| Clear_Sky | 5 | 25 | 77 | LOOSE_SAND | 30 | 0.10 | 0.15 | 0.25 | 0.4 | 0.5 | 0.9 | 0.2 | 0.3 | 0.6 |
| Clear_Sky | 5 | 25 | 77 | LOOSE_SAND | 40 | 0.10 | 0.10 | 0.20 | 0.4 | 0.4 | 0.7 | 0.2 | 0.2 | 0.4 |
| Clear_Sky | 5 | 25 | 77 | LOOSE_SAND | 50 | 0.05 | 0.10 | 0.15 | 0.2 | 0.4 | 0.5 | 0.1 | 0.2 | 0.3 |

Table D-6. Maximum Sustainable Speed, Clear Sky, 5% Humidity, 30°C (86°F)

| Cloud Cover | RH (%) | °C | °F | Terrain Type | Grade (%) | Max Sustainable Speed (meters/second) | | | Max Sustainable Speed (kilometers/hour) | | | Max Sustainable Speed (miles/hour) | | |
|-------------|--------|----|----|--------------|-----------|---------------------------------------|------|------|---|-----|------|------------------------------------|-----|------|
| | | | | | | Risk Level | | | Risk Level | | | Risk Level | | |
| | | | | | | Low | Mod | High | Low | Mod | High | Low | Mod | High |
| Clear_Sky | 5 | 30 | 86 | BLACK_TOP | -50 | 0.55 | 0.80 | 1.00 | 2.0 | 2.9 | 3.6 | 1.2 | 1.8 | 2.2 |
| Clear_Sky | 5 | 30 | 86 | BLACK_TOP | -40 | 0.65 | 0.90 | 1.15 | 2.3 | 3.2 | 4.1 | 1.5 | 2.0 | 2.6 |
| Clear_Sky | 5 | 30 | 86 | BLACK_TOP | -30 | 0.75 | 1.00 | 1.30 | 2.7 | 3.6 | 4.7 | 1.7 | 2.2 | 2.9 |
| Clear_Sky | 5 | 30 | 86 | BLACK_TOP | -20 | 0.85 | 1.20 | 1.45 | 3.1 | 4.3 | 5.2 | 1.9 | 2.7 | 3.2 |
| Clear_Sky | 5 | 30 | 86 | BLACK_TOP | -15 | 0.95 | 1.25 | 1.55 | 3.4 | 4.5 | 5.6 | 2.1 | 2.8 | 3.5 |
| Clear_Sky | 5 | 30 | 86 | BLACK_TOP | -10 | 1.05 | 1.35 | 1.65 | 3.8 | 4.9 | 5.9 | 2.4 | 3.0 | 3.7 |
| Clear_Sky | 5 | 30 | 86 | BLACK_TOP | -5 | 1.15 | 1.45 | 1.75 | 4.1 | 5.2 | 6.3 | 2.6 | 3.2 | 3.9 |
| Clear_Sky | 5 | 30 | 86 | BLACK_TOP | 0 | 1.25 | 1.60 | 1.85 | 4.5 | 5.8 | 6.7 | 2.8 | 3.6 | 4.1 |
| Clear_Sky | 5 | 30 | 86 | BLACK_TOP | 5 | 0.80 | 1.10 | 1.35 | 2.9 | 4.0 | 4.9 | 1.8 | 2.5 | 3.0 |
| Clear_Sky | 5 | 30 | 86 | BLACK_TOP | 10 | 0.55 | 0.80 | 1.00 | 2.0 | 2.9 | 3.6 | 1.2 | 1.8 | 2.2 |
| Clear_Sky | 5 | 30 | 86 | BLACK_TOP | 15 | 0.40 | 0.60 | 0.80 | 1.4 | 2.2 | 2.9 | 0.9 | 1.3 | 1.8 |
| Clear_Sky | 5 | 30 | 86 | BLACK_TOP | 20 | 0.30 | 0.45 | 0.65 | 1.1 | 1.6 | 2.3 | 0.7 | 1.0 | 1.5 |
| Clear_Sky | 5 | 30 | 86 | BLACK_TOP | 30 | 0.20 | 0.30 | 0.45 | 0.7 | 1.1 | 1.6 | 0.4 | 0.7 | 1.0 |
| Clear_Sky | 5 | 30 | 86 | BLACK_TOP | 40 | 0.15 | 0.25 | 0.35 | 0.5 | 0.9 | 1.3 | 0.3 | 0.6 | 0.8 |
| Clear_Sky | 5 | 30 | 86 | BLACK_TOP | 50 | 0.10 | 0.20 | 0.25 | 0.4 | 0.7 | 0.9 | 0.2 | 0.4 | 0.6 |
| Clear_Sky | 5 | 30 | 86 | DIRT_ROAD | -50 | 0.50 | 0.75 | 0.95 | 1.8 | 2.7 | 3.4 | 1.1 | 1.7 | 2.1 |
| Clear_Sky | 5 | 30 | 86 | DIRT_ROAD | -40 | 0.60 | 0.85 | 1.05 | 2.2 | 3.1 | 3.8 | 1.3 | 1.9 | 2.4 |
| Clear_Sky | 5 | 30 | 86 | DIRT_ROAD | -30 | 0.70 | 0.95 | 1.20 | 2.5 | 3.4 | 4.3 | 1.6 | 2.1 | 2.7 |
| Clear_Sky | 5 | 30 | 86 | DIRT_ROAD | -20 | 0.80 | 1.10 | 1.35 | 2.9 | 4.0 | 4.9 | 1.8 | 2.5 | 3.0 |
| Clear_Sky | 5 | 30 | 86 | DIRT_ROAD | -15 | 0.90 | 1.20 | 1.45 | 3.2 | 4.3 | 5.2 | 2.0 | 2.7 | 3.2 |
| Clear_Sky | 5 | 30 | 86 | DIRT_ROAD | -10 | 1.00 | 1.30 | 1.55 | 3.6 | 4.7 | 5.6 | 2.2 | 2.9 | 3.5 |
| Clear_Sky | 5 | 30 | 86 | DIRT_ROAD | -5 | 1.10 | 1.40 | 1.65 | 4.0 | 5.0 | 5.9 | 2.5 | 3.1 | 3.7 |
| Clear_Sky | 5 | 30 | 86 | DIRT_ROAD | 0 | 1.20 | 1.50 | 1.75 | 4.3 | 5.4 | 6.3 | 2.7 | 3.4 | 3.9 |
| Clear_Sky | 5 | 30 | 86 | DIRT_ROAD | 5 | 0.75 | 1.05 | 1.25 | 2.7 | 3.8 | 4.5 | 1.7 | 2.4 | 2.8 |
| Clear_Sky | 5 | 30 | 86 | DIRT_ROAD | 10 | 0.50 | 0.75 | 0.95 | 1.8 | 2.7 | 3.4 | 1.1 | 1.7 | 2.1 |
| Clear_Sky | 5 | 30 | 86 | DIRT_ROAD | 15 | 0.35 | 0.55 | 0.75 | 1.3 | 2.0 | 2.7 | 0.8 | 1.2 | 1.7 |
| Clear_Sky | 5 | 30 | 86 | DIRT_ROAD | 20 | 0.30 | 0.45 | 0.60 | 1.1 | 1.6 | 2.2 | 0.7 | 1.0 | 1.3 |
| Clear_Sky | 5 | 30 | 86 | DIRT_ROAD | 30 | 0.20 | 0.30 | 0.40 | 0.7 | 1.1 | 1.4 | 0.4 | 0.7 | 0.9 |
| Clear_Sky | 5 | 30 | 86 | DIRT_ROAD | 40 | 0.15 | 0.20 | 0.30 | 0.5 | 0.7 | 1.1 | 0.3 | 0.4 | 0.7 |
| Clear_Sky | 5 | 30 | 86 | DIRT_ROAD | 50 | 0.10 | 0.15 | 0.25 | 0.4 | 0.5 | 0.9 | 0.2 | 0.3 | 0.6 |
| Clear_Sky | 5 | 30 | 86 | LOOSE_SAND | -50 | 0.25 | 0.40 | 0.55 | 0.9 | 1.4 | 2.0 | 0.6 | 0.9 | 1.2 |
| Clear_Sky | 5 | 30 | 86 | LOOSE_SAND | -40 | 0.35 | 0.50 | 0.65 | 1.3 | 1.8 | 2.3 | 0.8 | 1.1 | 1.5 |
| Clear_Sky | 5 | 30 | 86 | LOOSE_SAND | -30 | 0.40 | 0.60 | 0.75 | 1.4 | 2.2 | 2.7 | 0.9 | 1.3 | 1.7 |
| Clear_Sky | 5 | 30 | 86 | LOOSE_SAND | -20 | 0.50 | 0.70 | 0.90 | 1.8 | 2.5 | 3.2 | 1.1 | 1.6 | 2.0 |
| Clear_Sky | 5 | 30 | 86 | LOOSE_SAND | -15 | 0.60 | 0.80 | 0.95 | 2.2 | 2.9 | 3.4 | 1.3 | 1.8 | 2.1 |
| Clear_Sky | 5 | 30 | 86 | LOOSE_SAND | -10 | 0.65 | 0.85 | 1.05 | 2.3 | 3.1 | 3.8 | 1.5 | 1.9 | 2.4 |
| Clear_Sky | 5 | 30 | 86 | LOOSE_SAND | -5 | 0.75 | 0.95 | 1.15 | 2.7 | 3.4 | 4.1 | 1.7 | 2.1 | 2.6 |
| Clear_Sky | 5 | 30 | 86 | LOOSE_SAND | 0 | 0.85 | 1.10 | 1.25 | 3.1 | 4.0 | 4.5 | 1.9 | 2.5 | 2.8 |
| Clear_Sky | 5 | 30 | 86 | LOOSE_SAND | 5 | 0.45 | 0.65 | 0.80 | 1.6 | 2.3 | 2.9 | 1.0 | 1.5 | 1.8 |
| Clear_Sky | 5 | 30 | 86 | LOOSE_SAND | 10 | 0.25 | 0.40 | 0.55 | 0.9 | 1.4 | 2.0 | 0.6 | 0.9 | 1.2 |
| Clear_Sky | 5 | 30 | 86 | LOOSE_SAND | 15 | 0.20 | 0.30 | 0.40 | 0.7 | 1.1 | 1.4 | 0.4 | 0.7 | 0.9 |
| Clear_Sky | 5 | 30 | 86 | LOOSE_SAND | 20 | 0.15 | 0.20 | 0.30 | 0.5 | 0.7 | 1.1 | 0.3 | 0.4 | 0.7 |
| Clear_Sky | 5 | 30 | 86 | LOOSE_SAND | 30 | 0.10 | 0.15 | 0.20 | 0.4 | 0.5 | 0.7 | 0.2 | 0.3 | 0.4 |
| Clear_Sky | 5 | 30 | 86 | LOOSE_SAND | 40 | 0.05 | 0.10 | 0.15 | 0.2 | 0.4 | 0.5 | 0.1 | 0.2 | 0.3 |
| Clear_Sky | 5 | 30 | 86 | LOOSE_SAND | 50 | 0.05 | 0.10 | 0.10 | 0.2 | 0.4 | 0.4 | 0.1 | 0.2 | 0.2 |

Table D-7. Maximum Sustainable Speed, Clear Sky, 5% Humidity, 35°C (95°F)

| Cloud Cover | RH (%) | °C | °F | Terrain Type | Grade (%) | Max Sustainable Speed (meters/second) | | | Max Sustainable Speed (kilometers/hour) | | | Max Sustainable Speed (miles/hour) | | |
|-------------|--------|----|----|--------------|-----------|---------------------------------------|------|------|---|-----|------|------------------------------------|-----|------|
| | | | | | | Risk Level | | | Risk Level | | | Risk Level | | |
| | | | | | | Low | Mod | High | Low | Mod | High | Low | Mod | High |
| Clear_Sky | 5 | 35 | 95 | BLACK_TOP | -50 | 0.45 | 0.70 | 0.85 | 1.6 | 2.5 | 3.1 | 1.0 | 1.6 | 1.9 |
| Clear_Sky | 5 | 35 | 95 | BLACK_TOP | -40 | 0.50 | 0.80 | 1.00 | 1.8 | 2.9 | 3.6 | 1.1 | 1.8 | 2.2 |
| Clear_Sky | 5 | 35 | 95 | BLACK_TOP | -30 | 0.60 | 0.90 | 1.10 | 2.2 | 3.2 | 4.0 | 1.3 | 2.0 | 2.5 |
| Clear_Sky | 5 | 35 | 95 | BLACK_TOP | -20 | 0.75 | 1.05 | 1.30 | 2.7 | 3.8 | 4.7 | 1.7 | 2.4 | 2.9 |
| Clear_Sky | 5 | 35 | 95 | BLACK_TOP | -15 | 0.80 | 1.15 | 1.35 | 2.9 | 4.1 | 4.9 | 1.8 | 2.6 | 3.0 |
| Clear_Sky | 5 | 35 | 95 | BLACK_TOP | -10 | 0.90 | 1.25 | 1.45 | 3.2 | 4.5 | 5.2 | 2.0 | 2.8 | 3.2 |
| Clear_Sky | 5 | 35 | 95 | BLACK_TOP | -5 | 1.00 | 1.35 | 1.55 | 3.6 | 4.9 | 5.6 | 2.2 | 3.0 | 3.5 |
| Clear_Sky | 5 | 35 | 95 | BLACK_TOP | 0 | 1.10 | 1.45 | 1.70 | 4.0 | 5.2 | 6.1 | 2.5 | 3.2 | 3.8 |
| Clear_Sky | 5 | 35 | 95 | BLACK_TOP | 5 | 0.70 | 1.00 | 1.20 | 2.5 | 3.6 | 4.3 | 1.6 | 2.2 | 2.7 |
| Clear_Sky | 5 | 35 | 95 | BLACK_TOP | 10 | 0.45 | 0.70 | 0.85 | 1.6 | 2.5 | 3.1 | 1.0 | 1.6 | 1.9 |
| Clear_Sky | 5 | 35 | 95 | BLACK_TOP | 15 | 0.30 | 0.50 | 0.65 | 1.1 | 1.8 | 2.3 | 0.7 | 1.1 | 1.5 |
| Clear_Sky | 5 | 35 | 95 | BLACK_TOP | 20 | 0.25 | 0.40 | 0.55 | 0.9 | 1.4 | 2.0 | 0.6 | 0.9 | 1.2 |
| Clear_Sky | 5 | 35 | 95 | BLACK_TOP | 30 | 0.15 | 0.30 | 0.35 | 0.5 | 1.1 | 1.3 | 0.3 | 0.7 | 0.8 |
| Clear_Sky | 5 | 35 | 95 | BLACK_TOP | 40 | 0.10 | 0.20 | 0.30 | 0.4 | 0.7 | 1.1 | 0.2 | 0.4 | 0.7 |
| Clear_Sky | 5 | 35 | 95 | BLACK_TOP | 50 | 0.10 | 0.15 | 0.20 | 0.4 | 0.5 | 0.7 | 0.2 | 0.3 | 0.4 |
| Clear_Sky | 5 | 35 | 95 | DIRT_ROAD | -50 | 0.40 | 0.65 | 0.80 | 1.4 | 2.3 | 2.9 | 0.9 | 1.5 | 1.8 |
| Clear_Sky | 5 | 35 | 95 | DIRT_ROAD | -40 | 0.50 | 0.75 | 0.90 | 1.8 | 2.7 | 3.2 | 1.1 | 1.7 | 2.0 |
| Clear_Sky | 5 | 35 | 95 | DIRT_ROAD | -30 | 0.55 | 0.85 | 1.05 | 2.0 | 3.1 | 3.8 | 1.2 | 1.9 | 2.4 |
| Clear_Sky | 5 | 35 | 95 | DIRT_ROAD | -20 | 0.70 | 1.00 | 1.20 | 2.5 | 3.6 | 4.3 | 1.6 | 2.2 | 2.7 |
| Clear_Sky | 5 | 35 | 95 | DIRT_ROAD | -15 | 0.75 | 1.10 | 1.30 | 2.7 | 4.0 | 4.7 | 1.7 | 2.5 | 2.9 |
| Clear_Sky | 5 | 35 | 95 | DIRT_ROAD | -10 | 0.85 | 1.20 | 1.40 | 3.1 | 4.3 | 5.0 | 1.9 | 2.7 | 3.1 |
| Clear_Sky | 5 | 35 | 95 | DIRT_ROAD | -5 | 0.95 | 1.30 | 1.50 | 3.4 | 4.7 | 5.4 | 2.1 | 2.9 | 3.4 |
| Clear_Sky | 5 | 35 | 95 | DIRT_ROAD | 0 | 1.05 | 1.40 | 1.60 | 3.8 | 5.0 | 5.8 | 2.4 | 3.1 | 3.6 |
| Clear_Sky | 5 | 35 | 95 | DIRT_ROAD | 5 | 0.65 | 0.90 | 1.10 | 2.3 | 3.2 | 4.0 | 1.5 | 2.0 | 2.5 |
| Clear_Sky | 5 | 35 | 95 | DIRT_ROAD | 10 | 0.40 | 0.65 | 0.80 | 1.4 | 2.3 | 2.9 | 0.9 | 1.5 | 1.8 |
| Clear_Sky | 5 | 35 | 95 | DIRT_ROAD | 15 | 0.30 | 0.50 | 0.60 | 1.1 | 1.8 | 2.2 | 0.7 | 1.1 | 1.3 |
| Clear_Sky | 5 | 35 | 95 | DIRT_ROAD | 20 | 0.20 | 0.35 | 0.50 | 0.7 | 1.3 | 1.8 | 0.4 | 0.8 | 1.1 |
| Clear_Sky | 5 | 35 | 95 | DIRT_ROAD | 30 | 0.15 | 0.25 | 0.35 | 0.5 | 0.9 | 1.3 | 0.3 | 0.6 | 0.8 |
| Clear_Sky | 5 | 35 | 95 | DIRT_ROAD | 40 | 0.10 | 0.20 | 0.25 | 0.4 | 0.7 | 0.9 | 0.2 | 0.4 | 0.6 |
| Clear_Sky | 5 | 35 | 95 | DIRT_ROAD | 50 | 0.10 | 0.15 | 0.20 | 0.4 | 0.5 | 0.7 | 0.2 | 0.3 | 0.4 |
| Clear_Sky | 5 | 35 | 95 | LOOSE_SAND | -50 | 0.20 | 0.35 | 0.45 | 0.7 | 1.3 | 1.6 | 0.4 | 0.8 | 1.0 |
| Clear_Sky | 5 | 35 | 95 | LOOSE_SAND | -40 | 0.25 | 0.45 | 0.55 | 0.9 | 1.6 | 2.0 | 0.6 | 1.0 | 1.2 |
| Clear_Sky | 5 | 35 | 95 | LOOSE_SAND | -30 | 0.35 | 0.50 | 0.65 | 1.3 | 1.8 | 2.3 | 0.8 | 1.1 | 1.5 |
| Clear_Sky | 5 | 35 | 95 | LOOSE_SAND | -20 | 0.45 | 0.65 | 0.75 | 1.6 | 2.3 | 2.7 | 1.0 | 1.5 | 1.7 |
| Clear_Sky | 5 | 35 | 95 | LOOSE_SAND | -15 | 0.50 | 0.70 | 0.85 | 1.8 | 2.5 | 3.1 | 1.1 | 1.6 | 1.9 |
| Clear_Sky | 5 | 35 | 95 | LOOSE_SAND | -10 | 0.55 | 0.80 | 0.95 | 2.0 | 2.9 | 3.4 | 1.2 | 1.8 | 2.1 |
| Clear_Sky | 5 | 35 | 95 | LOOSE_SAND | -5 | 0.65 | 0.90 | 1.05 | 2.3 | 3.2 | 3.8 | 1.5 | 2.0 | 2.4 |
| Clear_Sky | 5 | 35 | 95 | LOOSE_SAND | 0 | 0.75 | 1.00 | 1.15 | 2.7 | 3.6 | 4.1 | 1.7 | 2.2 | 2.6 |
| Clear_Sky | 5 | 35 | 95 | LOOSE_SAND | 5 | 0.35 | 0.55 | 0.70 | 1.3 | 2.0 | 2.5 | 0.8 | 1.2 | 1.6 |
| Clear_Sky | 5 | 35 | 95 | LOOSE_SAND | 10 | 0.20 | 0.35 | 0.45 | 0.7 | 1.3 | 1.6 | 0.4 | 0.8 | 1.0 |
| Clear_Sky | 5 | 35 | 95 | LOOSE_SAND | 15 | 0.15 | 0.25 | 0.35 | 0.5 | 0.9 | 1.3 | 0.3 | 0.6 | 0.8 |
| Clear_Sky | 5 | 35 | 95 | LOOSE_SAND | 20 | 0.10 | 0.20 | 0.25 | 0.4 | 0.7 | 0.9 | 0.2 | 0.4 | 0.6 |
| Clear_Sky | 5 | 35 | 95 | LOOSE_SAND | 30 | 0.05 | 0.10 | 0.15 | 0.2 | 0.4 | 0.5 | 0.1 | 0.2 | 0.3 |
| Clear_Sky | 5 | 35 | 95 | LOOSE_SAND | 40 | 0.05 | 0.10 | 0.10 | 0.2 | 0.4 | 0.4 | 0.1 | 0.2 | 0.2 |
| Clear_Sky | 5 | 35 | 95 | LOOSE_SAND | 50 | 0.05 | 0.05 | 0.10 | 0.2 | 0.2 | 0.4 | 0.1 | 0.1 | 0.2 |

Table D-8. Maximum Sustainable Speed, Clear Sky, 25% Humidity, 5°C (41°F)

| Cloud Cover | RH (%) | °C | °F | Terrain Type | Grade (%) | Max Sustainable Speed (meters/second) | | | Max Sustainable Speed (kilometers/hour) | | | Max Sustainable Speed (miles/hour) | | |
|-------------|--------|----|----|--------------|-----------|---------------------------------------|------|------|---|-----|------|------------------------------------|-----|------|
| | | | | | | Risk Level | | | Risk Level | | | Risk Level | | |
| | | | | | | Low | Mod | High | Low | Mod | High | Low | Mod | High |
| Clear_Sky | 25 | 5 | 41 | BLACK_TOP | -50 | 1.00 | 1.20 | 1.60 | 3.6 | 4.3 | 5.8 | 2.2 | 2.7 | 3.6 |
| Clear_Sky | 25 | 5 | 41 | BLACK_TOP | -40 | 1.10 | 1.35 | 1.75 | 4.0 | 4.9 | 6.3 | 2.5 | 3.0 | 3.9 |
| Clear_Sky | 25 | 5 | 41 | BLACK_TOP | -30 | 1.25 | 1.50 | 1.90 | 4.5 | 5.4 | 6.8 | 2.8 | 3.4 | 4.3 |
| Clear_Sky | 25 | 5 | 41 | BLACK_TOP | -20 | 1.40 | 1.65 | 2.10 | 5.0 | 5.9 | 7.6 | 3.1 | 3.7 | 4.7 |
| Clear_Sky | 25 | 5 | 41 | BLACK_TOP | -15 | 1.50 | 1.75 | 2.20 | 5.4 | 6.3 | 7.9 | 3.4 | 3.9 | 4.9 |
| Clear_Sky | 25 | 5 | 41 | BLACK_TOP | -10 | 1.60 | 1.85 | 2.30 | 5.8 | 6.7 | 8.3 | 3.6 | 4.1 | 5.2 |
| Clear_Sky | 25 | 5 | 41 | BLACK_TOP | -5 | 1.70 | 1.95 | 2.40 | 6.1 | 7.0 | 8.6 | 3.8 | 4.4 | 5.4 |
| Clear_Sky | 25 | 5 | 41 | BLACK_TOP | 0 | 1.80 | 2.10 | 2.50 | 6.5 | 7.6 | 9.0 | 4.0 | 4.7 | 5.6 |
| Clear_Sky | 25 | 5 | 41 | BLACK_TOP | 5 | 1.30 | 1.60 | 2.00 | 4.7 | 5.8 | 7.2 | 2.9 | 3.6 | 4.5 |
| Clear_Sky | 25 | 5 | 41 | BLACK_TOP | 10 | 1.00 | 1.20 | 1.60 | 3.6 | 4.3 | 5.8 | 2.2 | 2.7 | 3.6 |
| Clear_Sky | 25 | 5 | 41 | BLACK_TOP | 15 | 0.75 | 0.95 | 1.30 | 2.7 | 3.4 | 4.7 | 1.7 | 2.1 | 2.9 |
| Clear_Sky | 25 | 5 | 41 | BLACK_TOP | 20 | 0.60 | 0.80 | 1.10 | 2.2 | 2.9 | 4.0 | 1.3 | 1.8 | 2.5 |
| Clear_Sky | 25 | 5 | 41 | BLACK_TOP | 30 | 0.45 | 0.55 | 0.80 | 1.6 | 2.0 | 2.9 | 1.0 | 1.2 | 1.8 |
| Clear_Sky | 25 | 5 | 41 | BLACK_TOP | 40 | 0.30 | 0.45 | 0.65 | 1.1 | 1.6 | 2.3 | 0.7 | 1.0 | 1.5 |
| Clear_Sky | 25 | 5 | 41 | BLACK_TOP | 50 | 0.25 | 0.35 | 0.50 | 0.9 | 1.3 | 1.8 | 0.6 | 0.8 | 1.1 |
| Clear_Sky | 25 | 5 | 41 | DIRT_ROAD | -50 | 0.90 | 1.15 | 1.50 | 3.2 | 4.1 | 5.4 | 2.0 | 2.6 | 3.4 |
| Clear_Sky | 25 | 5 | 41 | DIRT_ROAD | -40 | 1.00 | 1.25 | 1.65 | 3.6 | 4.5 | 5.9 | 2.2 | 2.8 | 3.7 |
| Clear_Sky | 25 | 5 | 41 | DIRT_ROAD | -30 | 1.15 | 1.40 | 1.80 | 4.1 | 5.0 | 6.5 | 2.6 | 3.1 | 4.0 |
| Clear_Sky | 25 | 5 | 41 | DIRT_ROAD | -20 | 1.30 | 1.55 | 2.00 | 4.7 | 5.6 | 7.2 | 2.9 | 3.5 | 4.5 |
| Clear_Sky | 25 | 5 | 41 | DIRT_ROAD | -15 | 1.40 | 1.65 | 2.10 | 5.0 | 5.9 | 7.6 | 3.1 | 3.7 | 4.7 |
| Clear_Sky | 25 | 5 | 41 | DIRT_ROAD | -10 | 1.50 | 1.75 | 2.20 | 5.4 | 6.3 | 7.9 | 3.4 | 3.9 | 4.9 |
| Clear_Sky | 25 | 5 | 41 | DIRT_ROAD | -5 | 1.60 | 1.85 | 2.30 | 5.8 | 6.7 | 8.3 | 3.6 | 4.1 | 5.2 |
| Clear_Sky | 25 | 5 | 41 | DIRT_ROAD | 0 | 1.70 | 2.00 | 2.40 | 6.1 | 7.2 | 8.6 | 3.8 | 4.5 | 5.4 |
| Clear_Sky | 25 | 5 | 41 | DIRT_ROAD | 5 | 1.25 | 1.50 | 1.90 | 4.5 | 5.4 | 6.8 | 2.8 | 3.4 | 4.3 |
| Clear_Sky | 25 | 5 | 41 | DIRT_ROAD | 10 | 0.90 | 1.15 | 1.50 | 3.2 | 4.1 | 5.4 | 2.0 | 2.6 | 3.4 |
| Clear_Sky | 25 | 5 | 41 | DIRT_ROAD | 15 | 0.70 | 0.90 | 1.20 | 2.5 | 3.2 | 4.3 | 1.6 | 2.0 | 2.7 |
| Clear_Sky | 25 | 5 | 41 | DIRT_ROAD | 20 | 0.55 | 0.70 | 1.00 | 2.0 | 2.5 | 3.6 | 1.2 | 1.6 | 2.2 |
| Clear_Sky | 25 | 5 | 41 | DIRT_ROAD | 30 | 0.40 | 0.50 | 0.75 | 1.4 | 1.8 | 2.7 | 0.9 | 1.1 | 1.7 |
| Clear_Sky | 25 | 5 | 41 | DIRT_ROAD | 40 | 0.30 | 0.40 | 0.55 | 1.1 | 1.4 | 2.0 | 0.7 | 0.9 | 1.2 |
| Clear_Sky | 25 | 5 | 41 | DIRT_ROAD | 50 | 0.25 | 0.30 | 0.45 | 0.9 | 1.1 | 1.6 | 0.6 | 0.7 | 1.0 |
| Clear_Sky | 25 | 5 | 41 | LOOSE_SAND | -50 | 0.55 | 0.65 | 0.90 | 2.0 | 2.3 | 3.2 | 1.2 | 1.5 | 2.0 |
| Clear_Sky | 25 | 5 | 41 | LOOSE_SAND | -40 | 0.60 | 0.75 | 1.05 | 2.2 | 2.7 | 3.8 | 1.3 | 1.7 | 2.4 |
| Clear_Sky | 25 | 5 | 41 | LOOSE_SAND | -30 | 0.70 | 0.90 | 1.15 | 2.5 | 3.2 | 4.1 | 1.6 | 2.0 | 2.6 |
| Clear_Sky | 25 | 5 | 41 | LOOSE_SAND | -20 | 0.85 | 1.05 | 1.35 | 3.1 | 3.8 | 4.9 | 1.9 | 2.4 | 3.0 |
| Clear_Sky | 25 | 5 | 41 | LOOSE_SAND | -15 | 0.95 | 1.10 | 1.40 | 3.4 | 4.0 | 5.0 | 2.1 | 2.5 | 3.1 |
| Clear_Sky | 25 | 5 | 41 | LOOSE_SAND | -10 | 1.05 | 1.20 | 1.50 | 3.8 | 4.3 | 5.4 | 2.4 | 2.7 | 3.4 |
| Clear_Sky | 25 | 5 | 41 | LOOSE_SAND | -5 | 1.15 | 1.30 | 1.60 | 4.1 | 4.7 | 5.8 | 2.6 | 2.9 | 3.6 |
| Clear_Sky | 25 | 5 | 41 | LOOSE_SAND | 0 | 1.25 | 1.45 | 1.75 | 4.5 | 5.2 | 6.3 | 2.8 | 3.2 | 3.9 |
| Clear_Sky | 25 | 5 | 41 | LOOSE_SAND | 5 | 0.80 | 0.95 | 1.25 | 2.9 | 3.4 | 4.5 | 1.8 | 2.1 | 2.8 |
| Clear_Sky | 25 | 5 | 41 | LOOSE_SAND | 10 | 0.55 | 0.65 | 0.90 | 2.0 | 2.3 | 3.2 | 1.2 | 1.5 | 2.0 |
| Clear_Sky | 25 | 5 | 41 | LOOSE_SAND | 15 | 0.40 | 0.50 | 0.70 | 1.4 | 1.8 | 2.5 | 0.9 | 1.1 | 1.6 |
| Clear_Sky | 25 | 5 | 41 | LOOSE_SAND | 20 | 0.30 | 0.40 | 0.55 | 1.1 | 1.4 | 2.0 | 0.7 | 0.9 | 1.2 |
| Clear_Sky | 25 | 5 | 41 | LOOSE_SAND | 30 | 0.20 | 0.25 | 0.40 | 0.7 | 0.9 | 1.4 | 0.4 | 0.6 | 0.9 |
| Clear_Sky | 25 | 5 | 41 | LOOSE_SAND | 40 | 0.15 | 0.20 | 0.30 | 0.5 | 0.7 | 1.1 | 0.3 | 0.4 | 0.7 |
| Clear_Sky | 25 | 5 | 41 | LOOSE_SAND | 50 | 0.10 | 0.15 | 0.25 | 0.4 | 0.5 | 0.9 | 0.2 | 0.3 | 0.6 |

Table D-9. Maximum Sustainable Speed, Clear Sky, 25% Humidity, 10°C (50°F)

| Cloud Cover | RH (%) | °C | °F | Terrain Type | Grade (%) | Max Sustainable Speed (meters/second) | | | Max Sustainable Speed (kilometers/hour) | | | Max Sustainable Speed (miles/hour) | | |
|-------------|--------|----|----|--------------|-----------|---------------------------------------|------|------|---|-----|------|------------------------------------|-----|------|
| | | | | | | Risk Level | | | Risk Level | | | Risk Level | | |
| | | | | | | Low | Mod | High | Low | Mod | High | Low | Mod | High |
| Clear_Sky | 25 | 10 | 50 | BLACK_TOP | -50 | 0.90 | 1.15 | 1.45 | 3.2 | 4.1 | 5.2 | 2.0 | 2.6 | 3.2 |
| Clear_Sky | 25 | 10 | 50 | BLACK_TOP | -40 | 1.00 | 1.25 | 1.60 | 3.6 | 4.5 | 5.8 | 2.2 | 2.8 | 3.6 |
| Clear_Sky | 25 | 10 | 50 | BLACK_TOP | -30 | 1.15 | 1.40 | 1.75 | 4.1 | 5.0 | 6.3 | 2.6 | 3.1 | 3.9 |
| Clear_Sky | 25 | 10 | 50 | BLACK_TOP | -20 | 1.30 | 1.55 | 1.95 | 4.7 | 5.6 | 7.0 | 2.9 | 3.5 | 4.4 |
| Clear_Sky | 25 | 10 | 50 | BLACK_TOP | -15 | 1.40 | 1.65 | 2.05 | 5.0 | 5.9 | 7.4 | 3.1 | 3.7 | 4.6 |
| Clear_Sky | 25 | 10 | 50 | BLACK_TOP | -10 | 1.50 | 1.75 | 2.15 | 5.4 | 6.3 | 7.7 | 3.4 | 3.9 | 4.8 |
| Clear_Sky | 25 | 10 | 50 | BLACK_TOP | -5 | 1.60 | 1.85 | 2.25 | 5.8 | 6.7 | 8.1 | 3.6 | 4.1 | 5.0 |
| Clear_Sky | 25 | 10 | 50 | BLACK_TOP | 0 | 1.70 | 2.00 | 2.35 | 6.1 | 7.2 | 8.5 | 3.8 | 4.5 | 5.3 |
| Clear_Sky | 25 | 10 | 50 | BLACK_TOP | 5 | 1.20 | 1.50 | 1.85 | 4.3 | 5.4 | 6.7 | 2.7 | 3.4 | 4.1 |
| Clear_Sky | 25 | 10 | 50 | BLACK_TOP | 10 | 0.90 | 1.15 | 1.45 | 3.2 | 4.1 | 5.2 | 2.0 | 2.6 | 3.2 |
| Clear_Sky | 25 | 10 | 50 | BLACK_TOP | 15 | 0.70 | 0.90 | 1.20 | 2.5 | 3.2 | 4.3 | 1.6 | 2.0 | 2.7 |
| Clear_Sky | 25 | 10 | 50 | BLACK_TOP | 20 | 0.55 | 0.70 | 1.00 | 2.0 | 2.5 | 3.6 | 1.2 | 1.6 | 2.2 |
| Clear_Sky | 25 | 10 | 50 | BLACK_TOP | 30 | 0.40 | 0.50 | 0.70 | 1.4 | 1.8 | 2.5 | 0.9 | 1.1 | 1.6 |
| Clear_Sky | 25 | 10 | 50 | BLACK_TOP | 40 | 0.30 | 0.40 | 0.55 | 1.1 | 1.4 | 2.0 | 0.7 | 0.9 | 1.2 |
| Clear_Sky | 25 | 10 | 50 | BLACK_TOP | 50 | 0.25 | 0.30 | 0.45 | 0.9 | 1.1 | 1.6 | 0.6 | 0.7 | 1.0 |
| Clear_Sky | 25 | 10 | 50 | DIRT_ROAD | -50 | 0.85 | 1.05 | 1.35 | 3.1 | 3.8 | 4.9 | 1.9 | 2.4 | 3.0 |
| Clear_Sky | 25 | 10 | 50 | DIRT_ROAD | -40 | 0.95 | 1.15 | 1.50 | 3.4 | 4.1 | 5.4 | 2.1 | 2.6 | 3.4 |
| Clear_Sky | 25 | 10 | 50 | DIRT_ROAD | -30 | 1.05 | 1.30 | 1.65 | 3.8 | 4.7 | 5.9 | 2.4 | 2.9 | 3.7 |
| Clear_Sky | 25 | 10 | 50 | DIRT_ROAD | -20 | 1.20 | 1.50 | 1.85 | 4.3 | 5.4 | 6.7 | 2.7 | 3.4 | 4.1 |
| Clear_Sky | 25 | 10 | 50 | DIRT_ROAD | -15 | 1.30 | 1.55 | 1.95 | 4.7 | 5.6 | 7.0 | 2.9 | 3.5 | 4.4 |
| Clear_Sky | 25 | 10 | 50 | DIRT_ROAD | -10 | 1.40 | 1.65 | 2.05 | 5.0 | 5.9 | 7.4 | 3.1 | 3.7 | 4.6 |
| Clear_Sky | 25 | 10 | 50 | DIRT_ROAD | -5 | 1.50 | 1.80 | 2.15 | 5.4 | 6.5 | 7.7 | 3.4 | 4.0 | 4.8 |
| Clear_Sky | 25 | 10 | 50 | DIRT_ROAD | 0 | 1.60 | 1.90 | 2.25 | 5.8 | 6.8 | 8.1 | 3.6 | 4.3 | 5.0 |
| Clear_Sky | 25 | 10 | 50 | DIRT_ROAD | 5 | 1.15 | 1.40 | 1.75 | 4.1 | 5.0 | 6.3 | 2.6 | 3.1 | 3.9 |
| Clear_Sky | 25 | 10 | 50 | DIRT_ROAD | 10 | 0.85 | 1.05 | 1.35 | 3.1 | 3.8 | 4.9 | 1.9 | 2.4 | 3.0 |
| Clear_Sky | 25 | 10 | 50 | DIRT_ROAD | 15 | 0.65 | 0.80 | 1.10 | 2.3 | 2.9 | 4.0 | 1.5 | 1.8 | 2.5 |
| Clear_Sky | 25 | 10 | 50 | DIRT_ROAD | 20 | 0.50 | 0.65 | 0.90 | 1.8 | 2.3 | 3.2 | 1.1 | 1.5 | 2.0 |
| Clear_Sky | 25 | 10 | 50 | DIRT_ROAD | 30 | 0.35 | 0.45 | 0.65 | 1.3 | 1.6 | 2.3 | 0.8 | 1.0 | 1.5 |
| Clear_Sky | 25 | 10 | 50 | DIRT_ROAD | 40 | 0.25 | 0.35 | 0.50 | 0.9 | 1.3 | 1.8 | 0.6 | 0.8 | 1.1 |
| Clear_Sky | 25 | 10 | 50 | DIRT_ROAD | 50 | 0.20 | 0.30 | 0.40 | 0.7 | 1.1 | 1.4 | 0.4 | 0.7 | 0.9 |
| Clear_Sky | 25 | 10 | 50 | LOOSE_SAND | -50 | 0.50 | 0.60 | 0.85 | 1.8 | 2.2 | 3.1 | 1.1 | 1.3 | 1.9 |
| Clear_Sky | 25 | 10 | 50 | LOOSE_SAND | -40 | 0.55 | 0.70 | 0.95 | 2.0 | 2.5 | 3.4 | 1.2 | 1.6 | 2.1 |
| Clear_Sky | 25 | 10 | 50 | LOOSE_SAND | -30 | 0.65 | 0.85 | 1.05 | 2.3 | 3.1 | 3.8 | 1.5 | 1.9 | 2.4 |
| Clear_Sky | 25 | 10 | 50 | LOOSE_SAND | -20 | 0.80 | 0.95 | 1.25 | 2.9 | 3.4 | 4.5 | 1.8 | 2.1 | 2.8 |
| Clear_Sky | 25 | 10 | 50 | LOOSE_SAND | -15 | 0.85 | 1.05 | 1.30 | 3.1 | 3.8 | 4.7 | 1.9 | 2.4 | 2.9 |
| Clear_Sky | 25 | 10 | 50 | LOOSE_SAND | -10 | 0.95 | 1.15 | 1.40 | 3.4 | 4.1 | 5.0 | 2.1 | 2.6 | 3.1 |
| Clear_Sky | 25 | 10 | 50 | LOOSE_SAND | -5 | 1.05 | 1.25 | 1.50 | 3.8 | 4.5 | 5.4 | 2.4 | 2.8 | 3.4 |
| Clear_Sky | 25 | 10 | 50 | LOOSE_SAND | 0 | 1.15 | 1.35 | 1.65 | 4.1 | 4.9 | 5.9 | 2.6 | 3.0 | 3.7 |
| Clear_Sky | 25 | 10 | 50 | LOOSE_SAND | 5 | 0.70 | 0.90 | 1.15 | 2.5 | 3.2 | 4.1 | 1.6 | 2.0 | 2.6 |
| Clear_Sky | 25 | 10 | 50 | LOOSE_SAND | 10 | 0.50 | 0.60 | 0.85 | 1.8 | 2.2 | 3.1 | 1.1 | 1.3 | 1.9 |
| Clear_Sky | 25 | 10 | 50 | LOOSE_SAND | 15 | 0.35 | 0.45 | 0.65 | 1.3 | 1.6 | 2.3 | 0.8 | 1.0 | 1.5 |
| Clear_Sky | 25 | 10 | 50 | LOOSE_SAND | 20 | 0.25 | 0.35 | 0.50 | 0.9 | 1.3 | 1.8 | 0.6 | 0.8 | 1.1 |
| Clear_Sky | 25 | 10 | 50 | LOOSE_SAND | 30 | 0.15 | 0.25 | 0.35 | 0.5 | 0.9 | 1.3 | 0.3 | 0.6 | 0.8 |
| Clear_Sky | 25 | 10 | 50 | LOOSE_SAND | 40 | 0.15 | 0.20 | 0.25 | 0.5 | 0.7 | 0.9 | 0.3 | 0.4 | 0.6 |
| Clear_Sky | 25 | 10 | 50 | LOOSE_SAND | 50 | 0.10 | 0.15 | 0.20 | 0.4 | 0.5 | 0.7 | 0.2 | 0.3 | 0.4 |

Table D-10. Maximum Sustainable Speed, Clear Sky, 25% Humidity, 15°C (59°F)

| Cloud Cover | RH (%) | °C | °F | Terrain Type | Grade (%) | Max Sustainable Speed (meters/second) | | | Max Sustainable Speed (kilometers/hour) | | | Max Sustainable Speed (miles/hour) | | |
|-------------|--------|----|----|--------------|-----------|---------------------------------------|------|------|---|-----|------|------------------------------------|-----|------|
| | | | | | | Risk Level | | | Risk Level | | | Risk Level | | |
| | | | | | | Low | Mod | High | Low | Mod | High | Low | Mod | High |
| Clear_Sky | 25 | 15 | 59 | BLACK_TOP | -50 | 0.80 | 1.05 | 1.35 | 2.9 | 3.8 | 4.9 | 1.8 | 2.4 | 3.0 |
| Clear_Sky | 25 | 15 | 59 | BLACK_TOP | -40 | 0.90 | 1.15 | 1.45 | 3.2 | 4.1 | 5.2 | 2.0 | 2.6 | 3.2 |
| Clear_Sky | 25 | 15 | 59 | BLACK_TOP | -30 | 1.05 | 1.30 | 1.65 | 3.8 | 4.7 | 5.9 | 2.4 | 2.9 | 3.7 |
| Clear_Sky | 25 | 15 | 59 | BLACK_TOP | -20 | 1.20 | 1.45 | 1.80 | 4.3 | 5.2 | 6.5 | 2.7 | 3.2 | 4.0 |
| Clear_Sky | 25 | 15 | 59 | BLACK_TOP | -15 | 1.30 | 1.55 | 1.90 | 4.7 | 5.6 | 6.8 | 2.9 | 3.5 | 4.3 |
| Clear_Sky | 25 | 15 | 59 | BLACK_TOP | -10 | 1.40 | 1.65 | 2.00 | 5.0 | 5.9 | 7.2 | 3.1 | 3.7 | 4.5 |
| Clear_Sky | 25 | 15 | 59 | BLACK_TOP | -5 | 1.50 | 1.75 | 2.10 | 5.4 | 6.3 | 7.6 | 3.4 | 3.9 | 4.7 |
| Clear_Sky | 25 | 15 | 59 | BLACK_TOP | 0 | 1.60 | 1.90 | 2.20 | 5.8 | 6.8 | 7.9 | 3.6 | 4.3 | 4.9 |
| Clear_Sky | 25 | 15 | 59 | BLACK_TOP | 5 | 1.10 | 1.40 | 1.70 | 4.0 | 5.0 | 6.1 | 2.5 | 3.1 | 3.8 |
| Clear_Sky | 25 | 15 | 59 | BLACK_TOP | 10 | 0.80 | 1.05 | 1.35 | 2.9 | 3.8 | 4.9 | 1.8 | 2.4 | 3.0 |
| Clear_Sky | 25 | 15 | 59 | BLACK_TOP | 15 | 0.60 | 0.80 | 1.05 | 2.2 | 2.9 | 3.8 | 1.3 | 1.8 | 2.4 |
| Clear_Sky | 25 | 15 | 59 | BLACK_TOP | 20 | 0.50 | 0.65 | 0.90 | 1.8 | 2.3 | 3.2 | 1.1 | 1.5 | 2.0 |
| Clear_Sky | 25 | 15 | 59 | BLACK_TOP | 30 | 0.35 | 0.45 | 0.65 | 1.3 | 1.6 | 2.3 | 0.8 | 1.0 | 1.5 |
| Clear_Sky | 25 | 15 | 59 | BLACK_TOP | 40 | 0.25 | 0.35 | 0.50 | 0.9 | 1.3 | 1.8 | 0.6 | 0.8 | 1.1 |
| Clear_Sky | 25 | 15 | 59 | BLACK_TOP | 50 | 0.20 | 0.30 | 0.40 | 0.7 | 1.1 | 1.4 | 0.4 | 0.7 | 0.9 |
| Clear_Sky | 25 | 15 | 59 | DIRT_ROAD | -50 | 0.75 | 0.95 | 1.25 | 2.7 | 3.4 | 4.5 | 1.7 | 2.1 | 2.8 |
| Clear_Sky | 25 | 15 | 59 | DIRT_ROAD | -40 | 0.85 | 1.10 | 1.40 | 3.1 | 4.0 | 5.0 | 1.9 | 2.5 | 3.1 |
| Clear_Sky | 25 | 15 | 59 | DIRT_ROAD | -30 | 0.95 | 1.20 | 1.55 | 3.4 | 4.3 | 5.6 | 2.1 | 2.7 | 3.5 |
| Clear_Sky | 25 | 15 | 59 | DIRT_ROAD | -20 | 1.10 | 1.40 | 1.70 | 4.0 | 5.0 | 6.1 | 2.5 | 3.1 | 3.8 |
| Clear_Sky | 25 | 15 | 59 | DIRT_ROAD | -15 | 1.20 | 1.50 | 1.80 | 4.3 | 5.4 | 6.5 | 2.7 | 3.4 | 4.0 |
| Clear_Sky | 25 | 15 | 59 | DIRT_ROAD | -10 | 1.30 | 1.55 | 1.90 | 4.7 | 5.6 | 6.8 | 2.9 | 3.5 | 4.3 |
| Clear_Sky | 25 | 15 | 59 | DIRT_ROAD | -5 | 1.40 | 1.70 | 2.00 | 5.0 | 6.1 | 7.2 | 3.1 | 3.8 | 4.5 |
| Clear_Sky | 25 | 15 | 59 | DIRT_ROAD | 0 | 1.50 | 1.80 | 2.10 | 5.4 | 6.5 | 7.6 | 3.4 | 4.0 | 4.7 |
| Clear_Sky | 25 | 15 | 59 | DIRT_ROAD | 5 | 1.05 | 1.30 | 1.60 | 3.8 | 4.7 | 5.8 | 2.4 | 2.9 | 3.6 |
| Clear_Sky | 25 | 15 | 59 | DIRT_ROAD | 10 | 0.75 | 0.95 | 1.25 | 2.7 | 3.4 | 4.5 | 1.7 | 2.1 | 2.8 |
| Clear_Sky | 25 | 15 | 59 | DIRT_ROAD | 15 | 0.55 | 0.75 | 1.00 | 2.0 | 2.7 | 3.6 | 1.2 | 1.7 | 2.2 |
| Clear_Sky | 25 | 15 | 59 | DIRT_ROAD | 20 | 0.45 | 0.60 | 0.80 | 1.6 | 2.2 | 2.9 | 1.0 | 1.3 | 1.8 |
| Clear_Sky | 25 | 15 | 59 | DIRT_ROAD | 30 | 0.30 | 0.40 | 0.60 | 1.1 | 1.4 | 2.2 | 0.7 | 0.9 | 1.3 |
| Clear_Sky | 25 | 15 | 59 | DIRT_ROAD | 40 | 0.20 | 0.30 | 0.45 | 0.7 | 1.1 | 1.6 | 0.4 | 0.7 | 1.0 |
| Clear_Sky | 25 | 15 | 59 | DIRT_ROAD | 50 | 0.20 | 0.25 | 0.35 | 0.7 | 0.9 | 1.3 | 0.4 | 0.6 | 0.8 |
| Clear_Sky | 25 | 15 | 59 | LOOSE_SAND | -50 | 0.40 | 0.55 | 0.75 | 1.4 | 2.0 | 2.7 | 0.9 | 1.2 | 1.7 |
| Clear_Sky | 25 | 15 | 59 | LOOSE_SAND | -40 | 0.50 | 0.65 | 0.85 | 1.8 | 2.3 | 3.1 | 1.1 | 1.5 | 1.9 |
| Clear_Sky | 25 | 15 | 59 | LOOSE_SAND | -30 | 0.60 | 0.75 | 0.95 | 2.2 | 2.7 | 3.4 | 1.3 | 1.7 | 2.1 |
| Clear_Sky | 25 | 15 | 59 | LOOSE_SAND | -20 | 0.70 | 0.90 | 1.15 | 2.5 | 3.2 | 4.1 | 1.6 | 2.0 | 2.6 |
| Clear_Sky | 25 | 15 | 59 | LOOSE_SAND | -15 | 0.80 | 1.00 | 1.20 | 2.9 | 3.6 | 4.3 | 1.8 | 2.2 | 2.7 |
| Clear_Sky | 25 | 15 | 59 | LOOSE_SAND | -10 | 0.90 | 1.10 | 1.30 | 3.2 | 4.0 | 4.7 | 2.0 | 2.5 | 2.9 |
| Clear_Sky | 25 | 15 | 59 | LOOSE_SAND | -5 | 1.00 | 1.20 | 1.40 | 3.6 | 4.3 | 5.0 | 2.2 | 2.7 | 3.1 |
| Clear_Sky | 25 | 15 | 59 | LOOSE_SAND | 0 | 1.10 | 1.30 | 1.50 | 4.0 | 4.7 | 5.4 | 2.5 | 2.9 | 3.4 |
| Clear_Sky | 25 | 15 | 59 | LOOSE_SAND | 5 | 0.65 | 0.85 | 1.05 | 2.3 | 3.1 | 3.8 | 1.5 | 1.9 | 2.4 |
| Clear_Sky | 25 | 15 | 59 | LOOSE_SAND | 10 | 0.40 | 0.55 | 0.75 | 1.4 | 2.0 | 2.7 | 0.9 | 1.2 | 1.7 |
| Clear_Sky | 25 | 15 | 59 | LOOSE_SAND | 15 | 0.30 | 0.40 | 0.55 | 1.1 | 1.4 | 2.0 | 0.7 | 0.9 | 1.2 |
| Clear_Sky | 25 | 15 | 59 | LOOSE_SAND | 20 | 0.25 | 0.30 | 0.45 | 0.9 | 1.1 | 1.6 | 0.6 | 0.7 | 1.0 |
| Clear_Sky | 25 | 15 | 59 | LOOSE_SAND | 30 | 0.15 | 0.20 | 0.30 | 0.5 | 0.7 | 1.1 | 0.3 | 0.4 | 0.7 |
| Clear_Sky | 25 | 15 | 59 | LOOSE_SAND | 40 | 0.10 | 0.15 | 0.25 | 0.4 | 0.5 | 0.9 | 0.2 | 0.3 | 0.6 |
| Clear_Sky | 25 | 15 | 59 | LOOSE_SAND | 50 | 0.10 | 0.10 | 0.20 | 0.4 | 0.4 | 0.7 | 0.2 | 0.2 | 0.4 |

Table D-11. Maximum Sustainable Speed, Clear Sky, 25% Humidity, 20°C (68°F)

| Cloud Cover | RH (%) | °C | °F | Terrain Type | Grade (%) | Max Sustainable Speed (meters/second) | | | Max Sustainable Speed (kilometers/hour) | | | Max Sustainable Speed (miles/hour) | | |
|-------------|--------|----|----|--------------|-----------|---------------------------------------|------|------|---|-----|------|------------------------------------|-----|------|
| | | | | | | Risk Level | | | Risk Level | | | Risk Level | | |
| | | | | | | Low | Mod | High | Low | Mod | High | Low | Mod | High |
| Clear_Sky | 25 | 20 | 68 | BLACK_TOP | -50 | 0.70 | 0.95 | 1.20 | 2.5 | 3.4 | 4.3 | 1.6 | 2.1 | 2.7 |
| Clear_Sky | 25 | 20 | 68 | BLACK_TOP | -40 | 0.80 | 1.05 | 1.30 | 2.9 | 3.8 | 4.7 | 1.8 | 2.4 | 2.9 |
| Clear_Sky | 25 | 20 | 68 | BLACK_TOP | -30 | 0.95 | 1.20 | 1.45 | 3.4 | 4.3 | 5.2 | 2.1 | 2.7 | 3.2 |
| Clear_Sky | 25 | 20 | 68 | BLACK_TOP | -20 | 1.10 | 1.35 | 1.65 | 4.0 | 4.9 | 5.9 | 2.5 | 3.0 | 3.7 |
| Clear_Sky | 25 | 20 | 68 | BLACK_TOP | -15 | 1.15 | 1.45 | 1.75 | 4.1 | 5.2 | 6.3 | 2.6 | 3.2 | 3.9 |
| Clear_Sky | 25 | 20 | 68 | BLACK_TOP | -10 | 1.25 | 1.55 | 1.85 | 4.5 | 5.6 | 6.7 | 2.8 | 3.5 | 4.1 |
| Clear_Sky | 25 | 20 | 68 | BLACK_TOP | -5 | 1.35 | 1.65 | 1.95 | 4.9 | 5.9 | 7.0 | 3.0 | 3.7 | 4.4 |
| Clear_Sky | 25 | 20 | 68 | BLACK_TOP | 0 | 1.50 | 1.75 | 2.05 | 5.4 | 6.3 | 7.4 | 3.4 | 3.9 | 4.6 |
| Clear_Sky | 25 | 20 | 68 | BLACK_TOP | 5 | 1.00 | 1.30 | 1.55 | 3.6 | 4.7 | 5.6 | 2.2 | 2.9 | 3.5 |
| Clear_Sky | 25 | 20 | 68 | BLACK_TOP | 10 | 0.70 | 0.95 | 1.20 | 2.5 | 3.4 | 4.3 | 1.6 | 2.1 | 2.7 |
| Clear_Sky | 25 | 20 | 68 | BLACK_TOP | 15 | 0.55 | 0.75 | 0.95 | 2.0 | 2.7 | 3.4 | 1.2 | 1.7 | 2.1 |
| Clear_Sky | 25 | 20 | 68 | BLACK_TOP | 20 | 0.40 | 0.60 | 0.75 | 1.4 | 2.2 | 2.7 | 0.9 | 1.3 | 1.7 |
| Clear_Sky | 25 | 20 | 68 | BLACK_TOP | 30 | 0.30 | 0.40 | 0.55 | 1.1 | 1.4 | 2.0 | 0.7 | 0.9 | 1.2 |
| Clear_Sky | 25 | 20 | 68 | BLACK_TOP | 40 | 0.20 | 0.30 | 0.40 | 0.7 | 1.1 | 1.4 | 0.4 | 0.7 | 0.9 |
| Clear_Sky | 25 | 20 | 68 | BLACK_TOP | 50 | 0.15 | 0.25 | 0.35 | 0.5 | 0.9 | 1.3 | 0.3 | 0.6 | 0.8 |
| Clear_Sky | 25 | 20 | 68 | DIRT_ROAD | -50 | 0.65 | 0.90 | 1.10 | 2.3 | 3.2 | 4.0 | 1.5 | 2.0 | 2.5 |
| Clear_Sky | 25 | 20 | 68 | DIRT_ROAD | -40 | 0.75 | 1.00 | 1.25 | 2.7 | 3.6 | 4.5 | 1.7 | 2.2 | 2.8 |
| Clear_Sky | 25 | 20 | 68 | DIRT_ROAD | -30 | 0.85 | 1.15 | 1.35 | 3.1 | 4.1 | 4.9 | 1.9 | 2.6 | 3.0 |
| Clear_Sky | 25 | 20 | 68 | DIRT_ROAD | -20 | 1.00 | 1.30 | 1.55 | 3.6 | 4.7 | 5.6 | 2.2 | 2.9 | 3.5 |
| Clear_Sky | 25 | 20 | 68 | DIRT_ROAD | -15 | 1.10 | 1.40 | 1.65 | 4.0 | 5.0 | 5.9 | 2.5 | 3.1 | 3.7 |
| Clear_Sky | 25 | 20 | 68 | DIRT_ROAD | -10 | 1.20 | 1.45 | 1.75 | 4.3 | 5.2 | 6.3 | 2.7 | 3.2 | 3.9 |
| Clear_Sky | 25 | 20 | 68 | DIRT_ROAD | -5 | 1.30 | 1.60 | 1.85 | 4.7 | 5.8 | 6.7 | 2.9 | 3.6 | 4.1 |
| Clear_Sky | 25 | 20 | 68 | DIRT_ROAD | 0 | 1.40 | 1.70 | 1.95 | 5.0 | 6.1 | 7.0 | 3.1 | 3.8 | 4.4 |
| Clear_Sky | 25 | 20 | 68 | DIRT_ROAD | 5 | 0.95 | 1.20 | 1.45 | 3.4 | 4.3 | 5.2 | 2.1 | 2.7 | 3.2 |
| Clear_Sky | 25 | 20 | 68 | DIRT_ROAD | 10 | 0.65 | 0.90 | 1.10 | 2.3 | 3.2 | 4.0 | 1.5 | 2.0 | 2.5 |
| Clear_Sky | 25 | 20 | 68 | DIRT_ROAD | 15 | 0.50 | 0.70 | 0.85 | 1.8 | 2.5 | 3.1 | 1.1 | 1.6 | 1.9 |
| Clear_Sky | 25 | 20 | 68 | DIRT_ROAD | 20 | 0.40 | 0.55 | 0.70 | 1.4 | 2.0 | 2.5 | 0.9 | 1.2 | 1.6 |
| Clear_Sky | 25 | 20 | 68 | DIRT_ROAD | 30 | 0.25 | 0.35 | 0.50 | 0.9 | 1.3 | 1.8 | 0.6 | 0.8 | 1.1 |
| Clear_Sky | 25 | 20 | 68 | DIRT_ROAD | 40 | 0.20 | 0.30 | 0.40 | 0.7 | 1.1 | 1.4 | 0.4 | 0.7 | 0.9 |
| Clear_Sky | 25 | 20 | 68 | DIRT_ROAD | 50 | 0.15 | 0.20 | 0.30 | 0.5 | 0.7 | 1.1 | 0.3 | 0.4 | 0.7 |
| Clear_Sky | 25 | 20 | 68 | LOOSE_SAND | -50 | 0.35 | 0.50 | 0.65 | 1.3 | 1.8 | 2.3 | 0.8 | 1.1 | 1.5 |
| Clear_Sky | 25 | 20 | 68 | LOOSE_SAND | -40 | 0.45 | 0.60 | 0.75 | 1.6 | 2.2 | 2.7 | 1.0 | 1.3 | 1.7 |
| Clear_Sky | 25 | 20 | 68 | LOOSE_SAND | -30 | 0.55 | 0.70 | 0.85 | 2.0 | 2.5 | 3.1 | 1.2 | 1.6 | 1.9 |
| Clear_Sky | 25 | 20 | 68 | LOOSE_SAND | -20 | 0.65 | 0.85 | 1.00 | 2.3 | 3.1 | 3.6 | 1.5 | 1.9 | 2.2 |
| Clear_Sky | 25 | 20 | 68 | LOOSE_SAND | -15 | 0.70 | 0.90 | 1.10 | 2.5 | 3.2 | 4.0 | 1.6 | 2.0 | 2.5 |
| Clear_Sky | 25 | 20 | 68 | LOOSE_SAND | -10 | 0.80 | 1.00 | 1.20 | 2.9 | 3.6 | 4.3 | 1.8 | 2.2 | 2.7 |
| Clear_Sky | 25 | 20 | 68 | LOOSE_SAND | -5 | 0.90 | 1.10 | 1.30 | 3.2 | 4.0 | 4.7 | 2.0 | 2.5 | 2.9 |
| Clear_Sky | 25 | 20 | 68 | LOOSE_SAND | 0 | 1.00 | 1.20 | 1.40 | 3.6 | 4.3 | 5.0 | 2.2 | 2.7 | 3.1 |
| Clear_Sky | 25 | 20 | 68 | LOOSE_SAND | 5 | 0.60 | 0.75 | 0.95 | 2.2 | 2.7 | 3.4 | 1.3 | 1.7 | 2.1 |
| Clear_Sky | 25 | 20 | 68 | LOOSE_SAND | 10 | 0.35 | 0.50 | 0.65 | 1.3 | 1.8 | 2.3 | 0.8 | 1.1 | 1.5 |
| Clear_Sky | 25 | 20 | 68 | LOOSE_SAND | 15 | 0.25 | 0.35 | 0.50 | 0.9 | 1.3 | 1.8 | 0.6 | 0.8 | 1.1 |
| Clear_Sky | 25 | 20 | 68 | LOOSE_SAND | 20 | 0.20 | 0.30 | 0.40 | 0.7 | 1.1 | 1.4 | 0.4 | 0.7 | 0.9 |
| Clear_Sky | 25 | 20 | 68 | LOOSE_SAND | 30 | 0.15 | 0.20 | 0.25 | 0.5 | 0.7 | 0.9 | 0.3 | 0.4 | 0.6 |
| Clear_Sky | 25 | 20 | 68 | LOOSE_SAND | 40 | 0.10 | 0.15 | 0.20 | 0.4 | 0.5 | 0.7 | 0.2 | 0.3 | 0.4 |
| Clear_Sky | 25 | 20 | 68 | LOOSE_SAND | 50 | 0.05 | 0.10 | 0.15 | 0.2 | 0.4 | 0.5 | 0.1 | 0.2 | 0.3 |

Table D-12. Maximum Sustainable Speed, Clear Sky, 25% Humidity, 25°C (77°F)

| Cloud Cover | RH (%) | °C | °F | Terrain Type | Grade (%) | Max Sustainable Speed (meters/second) | | | Max Sustainable Speed (kilometers/hour) | | | Max Sustainable Speed (miles/hour) | | |
|-------------|--------|----|----|--------------|-----------|---------------------------------------|------|------|---|-----|------|------------------------------------|-----|------|
| | | | | | | Risk Level | | | Risk Level | | | Risk Level | | |
| | | | | | | Low | Mod | High | Low | Mod | High | Low | Mod | High |
| Clear_Sky | 25 | 25 | 77 | BLACK_TOP | -50 | 0.60 | 0.85 | 1.05 | 2.2 | 3.1 | 3.8 | 1.3 | 1.9 | 2.4 |
| Clear_Sky | 25 | 25 | 77 | BLACK_TOP | -40 | 0.70 | 0.95 | 1.15 | 2.5 | 3.4 | 4.1 | 1.6 | 2.1 | 2.6 |
| Clear_Sky | 25 | 25 | 77 | BLACK_TOP | -30 | 0.85 | 1.10 | 1.30 | 3.1 | 4.0 | 4.7 | 1.9 | 2.5 | 2.9 |
| Clear_Sky | 25 | 25 | 77 | BLACK_TOP | -20 | 0.95 | 1.25 | 1.45 | 3.4 | 4.5 | 5.2 | 2.1 | 2.8 | 3.2 |
| Clear_Sky | 25 | 25 | 77 | BLACK_TOP | -15 | 1.05 | 1.35 | 1.55 | 3.8 | 4.9 | 5.6 | 2.4 | 3.0 | 3.5 |
| Clear_Sky | 25 | 25 | 77 | BLACK_TOP | -10 | 1.15 | 1.45 | 1.65 | 4.1 | 5.2 | 5.9 | 2.6 | 3.2 | 3.7 |
| Clear_Sky | 25 | 25 | 77 | BLACK_TOP | -5 | 1.25 | 1.55 | 1.75 | 4.5 | 5.6 | 6.3 | 2.8 | 3.5 | 3.9 |
| Clear_Sky | 25 | 25 | 77 | BLACK_TOP | 0 | 1.35 | 1.65 | 1.85 | 4.9 | 5.9 | 6.7 | 3.0 | 3.7 | 4.1 |
| Clear_Sky | 25 | 25 | 77 | BLACK_TOP | 5 | 0.90 | 1.15 | 1.35 | 3.2 | 4.1 | 4.9 | 2.0 | 2.6 | 3.0 |
| Clear_Sky | 25 | 25 | 77 | BLACK_TOP | 10 | 0.60 | 0.85 | 1.05 | 2.2 | 3.1 | 3.8 | 1.3 | 1.9 | 2.4 |
| Clear_Sky | 25 | 25 | 77 | BLACK_TOP | 15 | 0.45 | 0.65 | 0.80 | 1.6 | 2.3 | 2.9 | 1.0 | 1.5 | 1.8 |
| Clear_Sky | 25 | 25 | 77 | BLACK_TOP | 20 | 0.35 | 0.50 | 0.65 | 1.3 | 1.8 | 2.3 | 0.8 | 1.1 | 1.5 |
| Clear_Sky | 25 | 25 | 77 | BLACK_TOP | 30 | 0.25 | 0.35 | 0.45 | 0.9 | 1.3 | 1.6 | 0.6 | 0.8 | 1.0 |
| Clear_Sky | 25 | 25 | 77 | BLACK_TOP | 40 | 0.20 | 0.25 | 0.35 | 0.7 | 0.9 | 1.3 | 0.4 | 0.6 | 0.8 |
| Clear_Sky | 25 | 25 | 77 | BLACK_TOP | 50 | 0.15 | 0.20 | 0.25 | 0.5 | 0.7 | 0.9 | 0.3 | 0.4 | 0.6 |
| Clear_Sky | 25 | 25 | 77 | DIRT_ROAD | -50 | 0.55 | 0.80 | 0.95 | 2.0 | 2.9 | 3.4 | 1.2 | 1.8 | 2.1 |
| Clear_Sky | 25 | 25 | 77 | DIRT_ROAD | -40 | 0.65 | 0.90 | 1.05 | 2.3 | 3.2 | 3.8 | 1.5 | 2.0 | 2.4 |
| Clear_Sky | 25 | 25 | 77 | DIRT_ROAD | -30 | 0.75 | 1.05 | 1.20 | 2.7 | 3.8 | 4.3 | 1.7 | 2.4 | 2.7 |
| Clear_Sky | 25 | 25 | 77 | DIRT_ROAD | -20 | 0.90 | 1.20 | 1.35 | 3.2 | 4.3 | 4.9 | 2.0 | 2.7 | 3.0 |
| Clear_Sky | 25 | 25 | 77 | DIRT_ROAD | -15 | 1.00 | 1.25 | 1.45 | 3.6 | 4.5 | 5.2 | 2.2 | 2.8 | 3.2 |
| Clear_Sky | 25 | 25 | 77 | DIRT_ROAD | -10 | 1.10 | 1.35 | 1.55 | 4.0 | 4.9 | 5.6 | 2.5 | 3.0 | 3.5 |
| Clear_Sky | 25 | 25 | 77 | DIRT_ROAD | -5 | 1.20 | 1.45 | 1.65 | 4.3 | 5.2 | 5.9 | 2.7 | 3.2 | 3.7 |
| Clear_Sky | 25 | 25 | 77 | DIRT_ROAD | 0 | 1.30 | 1.60 | 1.75 | 4.7 | 5.8 | 6.3 | 2.9 | 3.6 | 3.9 |
| Clear_Sky | 25 | 25 | 77 | DIRT_ROAD | 5 | 0.85 | 1.10 | 1.30 | 3.1 | 4.0 | 4.7 | 1.9 | 2.5 | 2.9 |
| Clear_Sky | 25 | 25 | 77 | DIRT_ROAD | 10 | 0.55 | 0.80 | 0.95 | 2.0 | 2.9 | 3.4 | 1.2 | 1.8 | 2.1 |
| Clear_Sky | 25 | 25 | 77 | DIRT_ROAD | 15 | 0.40 | 0.60 | 0.75 | 1.4 | 2.2 | 2.7 | 0.9 | 1.3 | 1.7 |
| Clear_Sky | 25 | 25 | 77 | DIRT_ROAD | 20 | 0.30 | 0.45 | 0.60 | 1.1 | 1.6 | 2.2 | 0.7 | 1.0 | 1.3 |
| Clear_Sky | 25 | 25 | 77 | DIRT_ROAD | 30 | 0.20 | 0.35 | 0.40 | 0.7 | 1.3 | 1.4 | 0.4 | 0.8 | 0.9 |
| Clear_Sky | 25 | 25 | 77 | DIRT_ROAD | 40 | 0.15 | 0.25 | 0.30 | 0.5 | 0.9 | 1.1 | 0.3 | 0.6 | 0.7 |
| Clear_Sky | 25 | 25 | 77 | DIRT_ROAD | 50 | 0.10 | 0.20 | 0.25 | 0.4 | 0.7 | 0.9 | 0.2 | 0.4 | 0.6 |
| Clear_Sky | 25 | 25 | 77 | LOOSE_SAND | -50 | 0.30 | 0.45 | 0.55 | 1.1 | 1.6 | 2.0 | 0.7 | 1.0 | 1.2 |
| Clear_Sky | 25 | 25 | 77 | LOOSE_SAND | -40 | 0.40 | 0.55 | 0.65 | 1.4 | 2.0 | 2.3 | 0.9 | 1.2 | 1.5 |
| Clear_Sky | 25 | 25 | 77 | LOOSE_SAND | -30 | 0.45 | 0.65 | 0.75 | 1.6 | 2.3 | 2.7 | 1.0 | 1.5 | 1.7 |
| Clear_Sky | 25 | 25 | 77 | LOOSE_SAND | -20 | 0.55 | 0.75 | 0.90 | 2.0 | 2.7 | 3.2 | 1.2 | 1.7 | 2.0 |
| Clear_Sky | 25 | 25 | 77 | LOOSE_SAND | -15 | 0.65 | 0.85 | 0.95 | 2.3 | 3.1 | 3.4 | 1.5 | 1.9 | 2.1 |
| Clear_Sky | 25 | 25 | 77 | LOOSE_SAND | -10 | 0.75 | 0.95 | 1.05 | 2.7 | 3.4 | 3.8 | 1.7 | 2.1 | 2.4 |
| Clear_Sky | 25 | 25 | 77 | LOOSE_SAND | -5 | 0.80 | 1.05 | 1.15 | 2.9 | 3.8 | 4.1 | 1.8 | 2.4 | 2.6 |
| Clear_Sky | 25 | 25 | 77 | LOOSE_SAND | 0 | 0.95 | 1.15 | 1.30 | 3.4 | 4.1 | 4.7 | 2.1 | 2.6 | 2.9 |
| Clear_Sky | 25 | 25 | 77 | LOOSE_SAND | 5 | 0.50 | 0.70 | 0.80 | 1.8 | 2.5 | 2.9 | 1.1 | 1.6 | 1.8 |
| Clear_Sky | 25 | 25 | 77 | LOOSE_SAND | 10 | 0.30 | 0.45 | 0.55 | 1.1 | 1.6 | 2.0 | 0.7 | 1.0 | 1.2 |
| Clear_Sky | 25 | 25 | 77 | LOOSE_SAND | 15 | 0.20 | 0.35 | 0.40 | 0.7 | 1.3 | 1.4 | 0.4 | 0.8 | 0.9 |
| Clear_Sky | 25 | 25 | 77 | LOOSE_SAND | 20 | 0.15 | 0.25 | 0.30 | 0.5 | 0.9 | 1.1 | 0.3 | 0.6 | 0.7 |
| Clear_Sky | 25 | 25 | 77 | LOOSE_SAND | 30 | 0.10 | 0.15 | 0.20 | 0.4 | 0.5 | 0.7 | 0.2 | 0.3 | 0.4 |
| Clear_Sky | 25 | 25 | 77 | LOOSE_SAND | 40 | 0.05 | 0.10 | 0.15 | 0.2 | 0.4 | 0.5 | 0.1 | 0.2 | 0.3 |
| Clear_Sky | 25 | 25 | 77 | LOOSE_SAND | 50 | 0.05 | 0.10 | 0.10 | 0.2 | 0.4 | 0.4 | 0.1 | 0.2 | 0.2 |

Table D-13. Maximum Sustainable Speed, Clear Sky, 25% Humidity, 30°C (86°F)

| Cloud Cover | RH (%) | °C | °F | Terrain Type | Grade (%) | Max Sustainable Speed (meters/second) | | | Max Sustainable Speed (kilometers/hour) | | | Max Sustainable Speed (miles/hour) | | |
|-------------|--------|----|----|--------------|-----------|---------------------------------------|------|------|---|-----|------|------------------------------------|-----|------|
| | | | | | | Risk Level | | | Risk Level | | | Risk Level | | |
| | | | | | | Low | Mod | High | Low | Mod | High | Low | Mod | High |
| Clear_Sky | 25 | 30 | 86 | BLACK_TOP | -50 | 0.50 | 0.70 | 0.85 | 1.8 | 2.5 | 3.1 | 1.1 | 1.6 | 1.9 |
| Clear_Sky | 25 | 30 | 86 | BLACK_TOP | -40 | 0.60 | 0.80 | 0.95 | 2.2 | 2.9 | 3.4 | 1.3 | 1.8 | 2.1 |
| Clear_Sky | 25 | 30 | 86 | BLACK_TOP | -30 | 0.70 | 0.90 | 1.10 | 2.5 | 3.2 | 4.0 | 1.6 | 2.0 | 2.5 |
| Clear_Sky | 25 | 30 | 86 | BLACK_TOP | -20 | 0.85 | 1.05 | 1.25 | 3.1 | 3.8 | 4.5 | 1.9 | 2.4 | 2.8 |
| Clear_Sky | 25 | 30 | 86 | BLACK_TOP | -15 | 0.95 | 1.15 | 1.35 | 3.4 | 4.1 | 4.9 | 2.1 | 2.6 | 3.0 |
| Clear_Sky | 25 | 30 | 86 | BLACK_TOP | -10 | 1.00 | 1.25 | 1.45 | 3.6 | 4.5 | 5.2 | 2.2 | 2.8 | 3.2 |
| Clear_Sky | 25 | 30 | 86 | BLACK_TOP | -5 | 1.10 | 1.35 | 1.55 | 4.0 | 4.9 | 5.6 | 2.5 | 3.0 | 3.5 |
| Clear_Sky | 25 | 30 | 86 | BLACK_TOP | 0 | 1.25 | 1.45 | 1.65 | 4.5 | 5.2 | 5.9 | 2.8 | 3.2 | 3.7 |
| Clear_Sky | 25 | 30 | 86 | BLACK_TOP | 5 | 0.75 | 1.00 | 1.15 | 2.7 | 3.6 | 4.1 | 1.7 | 2.2 | 2.6 |
| Clear_Sky | 25 | 30 | 86 | BLACK_TOP | 10 | 0.50 | 0.70 | 0.85 | 1.8 | 2.5 | 3.1 | 1.1 | 1.6 | 1.9 |
| Clear_Sky | 25 | 30 | 86 | BLACK_TOP | 15 | 0.40 | 0.50 | 0.65 | 1.4 | 1.8 | 2.3 | 0.9 | 1.1 | 1.5 |
| Clear_Sky | 25 | 30 | 86 | BLACK_TOP | 20 | 0.30 | 0.40 | 0.50 | 1.1 | 1.4 | 1.8 | 0.7 | 0.9 | 1.1 |
| Clear_Sky | 25 | 30 | 86 | BLACK_TOP | 30 | 0.20 | 0.30 | 0.35 | 0.7 | 1.1 | 1.3 | 0.4 | 0.7 | 0.8 |
| Clear_Sky | 25 | 30 | 86 | BLACK_TOP | 40 | 0.15 | 0.20 | 0.25 | 0.5 | 0.7 | 0.9 | 0.3 | 0.4 | 0.6 |
| Clear_Sky | 25 | 30 | 86 | BLACK_TOP | 50 | 0.10 | 0.15 | 0.20 | 0.4 | 0.5 | 0.7 | 0.2 | 0.3 | 0.4 |
| Clear_Sky | 25 | 30 | 86 | DIRT_ROAD | -50 | 0.50 | 0.65 | 0.80 | 1.8 | 2.3 | 2.9 | 1.1 | 1.5 | 1.8 |
| Clear_Sky | 25 | 30 | 86 | DIRT_ROAD | -40 | 0.55 | 0.75 | 0.90 | 2.0 | 2.7 | 3.2 | 1.2 | 1.7 | 2.0 |
| Clear_Sky | 25 | 30 | 86 | DIRT_ROAD | -30 | 0.65 | 0.85 | 1.00 | 2.3 | 3.1 | 3.6 | 1.5 | 1.9 | 2.2 |
| Clear_Sky | 25 | 30 | 86 | DIRT_ROAD | -20 | 0.80 | 1.00 | 1.15 | 2.9 | 3.6 | 4.1 | 1.8 | 2.2 | 2.6 |
| Clear_Sky | 25 | 30 | 86 | DIRT_ROAD | -15 | 0.85 | 1.10 | 1.25 | 3.1 | 4.0 | 4.5 | 1.9 | 2.5 | 2.8 |
| Clear_Sky | 25 | 30 | 86 | DIRT_ROAD | -10 | 0.95 | 1.20 | 1.35 | 3.4 | 4.3 | 4.9 | 2.1 | 2.7 | 3.0 |
| Clear_Sky | 25 | 30 | 86 | DIRT_ROAD | -5 | 1.05 | 1.30 | 1.45 | 3.8 | 4.7 | 5.2 | 2.4 | 2.9 | 3.2 |
| Clear_Sky | 25 | 30 | 86 | DIRT_ROAD | 0 | 1.15 | 1.40 | 1.55 | 4.1 | 5.0 | 5.6 | 2.6 | 3.1 | 3.5 |
| Clear_Sky | 25 | 30 | 86 | DIRT_ROAD | 5 | 0.70 | 0.90 | 1.10 | 2.5 | 3.2 | 4.0 | 1.6 | 2.0 | 2.5 |
| Clear_Sky | 25 | 30 | 86 | DIRT_ROAD | 10 | 0.50 | 0.65 | 0.80 | 1.8 | 2.3 | 2.9 | 1.1 | 1.5 | 1.8 |
| Clear_Sky | 25 | 30 | 86 | DIRT_ROAD | 15 | 0.35 | 0.50 | 0.60 | 1.3 | 1.8 | 2.2 | 0.8 | 1.1 | 1.3 |
| Clear_Sky | 25 | 30 | 86 | DIRT_ROAD | 20 | 0.25 | 0.35 | 0.45 | 0.9 | 1.3 | 1.6 | 0.6 | 0.8 | 1.0 |
| Clear_Sky | 25 | 30 | 86 | DIRT_ROAD | 30 | 0.15 | 0.25 | 0.30 | 0.5 | 0.9 | 1.1 | 0.3 | 0.6 | 0.7 |
| Clear_Sky | 25 | 30 | 86 | DIRT_ROAD | 40 | 0.15 | 0.20 | 0.25 | 0.5 | 0.7 | 0.9 | 0.3 | 0.4 | 0.6 |
| Clear_Sky | 25 | 30 | 86 | DIRT_ROAD | 50 | 0.10 | 0.15 | 0.20 | 0.4 | 0.5 | 0.7 | 0.2 | 0.3 | 0.4 |
| Clear_Sky | 25 | 30 | 86 | LOOSE_SAND | -50 | 0.25 | 0.35 | 0.45 | 0.9 | 1.3 | 1.6 | 0.6 | 0.8 | 1.0 |
| Clear_Sky | 25 | 30 | 86 | LOOSE_SAND | -40 | 0.30 | 0.45 | 0.50 | 1.1 | 1.6 | 1.8 | 0.7 | 1.0 | 1.1 |
| Clear_Sky | 25 | 30 | 86 | LOOSE_SAND | -30 | 0.40 | 0.50 | 0.60 | 1.4 | 1.8 | 2.2 | 0.9 | 1.1 | 1.3 |
| Clear_Sky | 25 | 30 | 86 | LOOSE_SAND | -20 | 0.50 | 0.65 | 0.75 | 1.8 | 2.3 | 2.7 | 1.1 | 1.5 | 1.7 |
| Clear_Sky | 25 | 30 | 86 | LOOSE_SAND | -15 | 0.55 | 0.70 | 0.85 | 2.0 | 2.5 | 3.1 | 1.2 | 1.6 | 1.9 |
| Clear_Sky | 25 | 30 | 86 | LOOSE_SAND | -10 | 0.65 | 0.80 | 0.90 | 2.3 | 2.9 | 3.2 | 1.5 | 1.8 | 2.0 |
| Clear_Sky | 25 | 30 | 86 | LOOSE_SAND | -5 | 0.75 | 0.90 | 1.00 | 2.7 | 3.2 | 3.6 | 1.7 | 2.0 | 2.2 |
| Clear_Sky | 25 | 30 | 86 | LOOSE_SAND | 0 | 0.85 | 1.00 | 1.15 | 3.1 | 3.6 | 4.1 | 1.9 | 2.2 | 2.6 |
| Clear_Sky | 25 | 30 | 86 | LOOSE_SAND | 5 | 0.45 | 0.55 | 0.70 | 1.6 | 2.0 | 2.5 | 1.0 | 1.2 | 1.6 |
| Clear_Sky | 25 | 30 | 86 | LOOSE_SAND | 10 | 0.25 | 0.35 | 0.45 | 0.9 | 1.3 | 1.6 | 0.6 | 0.8 | 1.0 |
| Clear_Sky | 25 | 30 | 86 | LOOSE_SAND | 15 | 0.20 | 0.25 | 0.30 | 0.7 | 0.9 | 1.1 | 0.4 | 0.6 | 0.7 |
| Clear_Sky | 25 | 30 | 86 | LOOSE_SAND | 20 | 0.15 | 0.20 | 0.25 | 0.5 | 0.7 | 0.9 | 0.3 | 0.4 | 0.6 |
| Clear_Sky | 25 | 30 | 86 | LOOSE_SAND | 30 | 0.10 | 0.10 | 0.15 | 0.4 | 0.4 | 0.5 | 0.2 | 0.2 | 0.3 |
| Clear_Sky | 25 | 30 | 86 | LOOSE_SAND | 40 | 0.05 | 0.10 | 0.10 | 0.2 | 0.4 | 0.4 | 0.1 | 0.2 | 0.2 |
| Clear_Sky | 25 | 30 | 86 | LOOSE_SAND | 50 | 0.05 | 0.05 | 0.10 | 0.2 | 0.2 | 0.4 | 0.1 | 0.1 | 0.2 |

Table D-14. Maximum Sustainable Speed, Clear Sky, 25% Humidity, 35°C (95°F)

| Cloud Cover | RH (%) | °C | °F | Terrain Type | Grade (%) | Max Sustainable Speed (meters/second) | | | Max Sustainable Speed (kilometers/hour) | | | Max Sustainable Speed (miles/hour) | | |
|-------------|--------|----|----|--------------|-----------|---------------------------------------|------|------|---|-----|------|------------------------------------|-----|------|
| | | | | | | Risk Level | | | Risk Level | | | Risk Level | | |
| | | | | | | Low | Mod | High | Low | Mod | High | Low | Mod | High |
| Clear_Sky | 25 | 35 | 95 | BLACK_TOP | -50 | 0.40 | 0.50 | 0.65 | 1.4 | 1.8 | 2.3 | 0.9 | 1.1 | 1.5 |
| Clear_Sky | 25 | 35 | 95 | BLACK_TOP | -40 | 0.50 | 0.60 | 0.75 | 1.8 | 2.2 | 2.7 | 1.1 | 1.3 | 1.7 |
| Clear_Sky | 25 | 35 | 95 | BLACK_TOP | -30 | 0.60 | 0.70 | 0.85 | 2.2 | 2.5 | 3.1 | 1.3 | 1.6 | 1.9 |
| Clear_Sky | 25 | 35 | 95 | BLACK_TOP | -20 | 0.70 | 0.85 | 1.00 | 2.5 | 3.1 | 3.6 | 1.6 | 1.9 | 2.2 |
| Clear_Sky | 25 | 35 | 95 | BLACK_TOP | -15 | 0.80 | 0.90 | 1.05 | 2.9 | 3.2 | 3.8 | 1.8 | 2.0 | 2.4 |
| Clear_Sky | 25 | 35 | 95 | BLACK_TOP | -10 | 0.85 | 1.00 | 1.15 | 3.1 | 3.6 | 4.1 | 1.9 | 2.2 | 2.6 |
| Clear_Sky | 25 | 35 | 95 | BLACK_TOP | -5 | 0.95 | 1.10 | 1.25 | 3.4 | 4.0 | 4.5 | 2.1 | 2.5 | 2.8 |
| Clear_Sky | 25 | 35 | 95 | BLACK_TOP | 0 | 1.10 | 1.20 | 1.40 | 4.0 | 4.3 | 5.0 | 2.5 | 2.7 | 3.1 |
| Clear_Sky | 25 | 35 | 95 | BLACK_TOP | 5 | 0.65 | 0.75 | 0.90 | 2.3 | 2.7 | 3.2 | 1.5 | 1.7 | 2.0 |
| Clear_Sky | 25 | 35 | 95 | BLACK_TOP | 10 | 0.40 | 0.50 | 0.65 | 1.4 | 1.8 | 2.3 | 0.9 | 1.1 | 1.5 |
| Clear_Sky | 25 | 35 | 95 | BLACK_TOP | 15 | 0.30 | 0.35 | 0.45 | 1.1 | 1.3 | 1.6 | 0.7 | 0.8 | 1.0 |
| Clear_Sky | 25 | 35 | 95 | BLACK_TOP | 20 | 0.20 | 0.30 | 0.35 | 0.7 | 1.1 | 1.3 | 0.4 | 0.7 | 0.8 |
| Clear_Sky | 25 | 35 | 95 | BLACK_TOP | 30 | 0.15 | 0.20 | 0.25 | 0.5 | 0.7 | 0.9 | 0.3 | 0.4 | 0.6 |
| Clear_Sky | 25 | 35 | 95 | BLACK_TOP | 40 | 0.10 | 0.15 | 0.20 | 0.4 | 0.5 | 0.7 | 0.2 | 0.3 | 0.4 |
| Clear_Sky | 25 | 35 | 95 | BLACK_TOP | 50 | 0.10 | 0.10 | 0.15 | 0.4 | 0.4 | 0.5 | 0.2 | 0.2 | 0.3 |
| Clear_Sky | 25 | 35 | 95 | DIRT_ROAD | -50 | 0.40 | 0.45 | 0.60 | 1.4 | 1.6 | 2.2 | 0.9 | 1.0 | 1.3 |
| Clear_Sky | 25 | 35 | 95 | DIRT_ROAD | -40 | 0.45 | 0.55 | 0.70 | 1.6 | 2.0 | 2.5 | 1.0 | 1.2 | 1.6 |
| Clear_Sky | 25 | 35 | 95 | DIRT_ROAD | -30 | 0.55 | 0.65 | 0.80 | 2.0 | 2.3 | 2.9 | 1.2 | 1.5 | 1.8 |
| Clear_Sky | 25 | 35 | 95 | DIRT_ROAD | -20 | 0.65 | 0.75 | 0.95 | 2.3 | 2.7 | 3.4 | 1.5 | 1.7 | 2.1 |
| Clear_Sky | 25 | 35 | 95 | DIRT_ROAD | -15 | 0.75 | 0.85 | 1.00 | 2.7 | 3.1 | 3.6 | 1.7 | 1.9 | 2.2 |
| Clear_Sky | 25 | 35 | 95 | DIRT_ROAD | -10 | 0.80 | 0.95 | 1.10 | 2.9 | 3.4 | 4.0 | 1.8 | 2.1 | 2.5 |
| Clear_Sky | 25 | 35 | 95 | DIRT_ROAD | -5 | 0.90 | 1.05 | 1.20 | 3.2 | 3.8 | 4.3 | 2.0 | 2.4 | 2.7 |
| Clear_Sky | 25 | 35 | 95 | DIRT_ROAD | 0 | 1.05 | 1.15 | 1.30 | 3.8 | 4.1 | 4.7 | 2.4 | 2.6 | 2.9 |
| Clear_Sky | 25 | 35 | 95 | DIRT_ROAD | 5 | 0.60 | 0.70 | 0.85 | 2.2 | 2.5 | 3.1 | 1.3 | 1.6 | 1.9 |
| Clear_Sky | 25 | 35 | 95 | DIRT_ROAD | 10 | 0.40 | 0.45 | 0.60 | 1.4 | 1.6 | 2.2 | 0.9 | 1.0 | 1.3 |
| Clear_Sky | 25 | 35 | 95 | DIRT_ROAD | 15 | 0.25 | 0.35 | 0.45 | 0.9 | 1.3 | 1.6 | 0.6 | 0.8 | 1.0 |
| Clear_Sky | 25 | 35 | 95 | DIRT_ROAD | 20 | 0.20 | 0.25 | 0.35 | 0.7 | 0.9 | 1.3 | 0.4 | 0.6 | 0.8 |
| Clear_Sky | 25 | 35 | 95 | DIRT_ROAD | 30 | 0.15 | 0.15 | 0.20 | 0.5 | 0.5 | 0.7 | 0.3 | 0.3 | 0.4 |
| Clear_Sky | 25 | 35 | 95 | DIRT_ROAD | 40 | 0.10 | 0.10 | 0.15 | 0.4 | 0.4 | 0.5 | 0.2 | 0.2 | 0.3 |
| Clear_Sky | 25 | 35 | 95 | DIRT_ROAD | 50 | 0.05 | 0.10 | 0.15 | 0.2 | 0.4 | 0.5 | 0.1 | 0.2 | 0.3 |
| Clear_Sky | 25 | 35 | 95 | LOOSE_SAND | -50 | 0.20 | 0.25 | 0.35 | 0.7 | 0.9 | 1.3 | 0.4 | 0.6 | 0.8 |
| Clear_Sky | 25 | 35 | 95 | LOOSE_SAND | -40 | 0.25 | 0.30 | 0.40 | 0.9 | 1.1 | 1.4 | 0.6 | 0.7 | 0.9 |
| Clear_Sky | 25 | 35 | 95 | LOOSE_SAND | -30 | 0.30 | 0.40 | 0.45 | 1.1 | 1.4 | 1.6 | 0.7 | 0.9 | 1.0 |
| Clear_Sky | 25 | 35 | 95 | LOOSE_SAND | -20 | 0.40 | 0.50 | 0.60 | 1.4 | 1.8 | 2.2 | 0.9 | 1.1 | 1.3 |
| Clear_Sky | 25 | 35 | 95 | LOOSE_SAND | -15 | 0.45 | 0.55 | 0.65 | 1.6 | 2.0 | 2.3 | 1.0 | 1.2 | 1.5 |
| Clear_Sky | 25 | 35 | 95 | LOOSE_SAND | -10 | 0.55 | 0.60 | 0.75 | 2.0 | 2.2 | 2.7 | 1.2 | 1.3 | 1.7 |
| Clear_Sky | 25 | 35 | 95 | LOOSE_SAND | -5 | 0.65 | 0.70 | 0.85 | 2.3 | 2.5 | 3.1 | 1.5 | 1.6 | 1.9 |
| Clear_Sky | 25 | 35 | 95 | LOOSE_SAND | 0 | 0.75 | 0.85 | 0.95 | 2.7 | 3.1 | 3.4 | 1.7 | 1.9 | 2.1 |
| Clear_Sky | 25 | 35 | 95 | LOOSE_SAND | 5 | 0.35 | 0.40 | 0.50 | 1.3 | 1.4 | 1.8 | 0.8 | 0.9 | 1.1 |
| Clear_Sky | 25 | 35 | 95 | LOOSE_SAND | 10 | 0.20 | 0.25 | 0.35 | 0.7 | 0.9 | 1.3 | 0.4 | 0.6 | 0.8 |
| Clear_Sky | 25 | 35 | 95 | LOOSE_SAND | 15 | 0.15 | 0.15 | 0.25 | 0.5 | 0.5 | 0.9 | 0.3 | 0.3 | 0.6 |
| Clear_Sky | 25 | 35 | 95 | LOOSE_SAND | 20 | 0.10 | 0.15 | 0.15 | 0.4 | 0.5 | 0.5 | 0.2 | 0.3 | 0.3 |
| Clear_Sky | 25 | 35 | 95 | LOOSE_SAND | 30 | 0.05 | 0.10 | 0.10 | 0.2 | 0.4 | 0.4 | 0.1 | 0.2 | 0.2 |
| Clear_Sky | 25 | 35 | 95 | LOOSE_SAND | 40 | 0.05 | 0.05 | 0.05 | 0.2 | 0.2 | 0.2 | 0.1 | 0.1 | 0.1 |
| Clear_Sky | 25 | 35 | 95 | LOOSE_SAND | 50 | 0.00 | 0.05 | 0.05 | 0.0 | 0.2 | 0.2 | 0.0 | 0.1 | 0.1 |

Table D-15. Maximum Sustainable Speed, Clear Sky, 50% Humidity, 5°C (41°F)

| Cloud Cover | RH (%) | °C | °F | Terrain Type | Grade (%) | Max Sustainable Speed (meters/second) | | | Max Sustainable Speed (kilometers/hour) | | | Max Sustainable Speed (miles/hour) | | |
|-------------|--------|----|----|--------------|-----------|---------------------------------------|------|------|---|-----|------|------------------------------------|-----|------|
| | | | | | | Risk Level | | | Risk Level | | | Risk Level | | |
| | | | | | | Low | Mod | High | Low | Mod | High | Low | Mod | High |
| Clear_Sky | 50 | 5 | 41 | BLACK_TOP | -50 | 0.95 | 1.20 | 1.60 | 3.4 | 4.3 | 5.8 | 2.1 | 2.7 | 3.6 |
| Clear_Sky | 50 | 5 | 41 | BLACK_TOP | -40 | 1.10 | 1.35 | 1.75 | 4.0 | 4.9 | 6.3 | 2.5 | 3.0 | 3.9 |
| Clear_Sky | 50 | 5 | 41 | BLACK_TOP | -30 | 1.25 | 1.50 | 1.90 | 4.5 | 5.4 | 6.8 | 2.8 | 3.4 | 4.3 |
| Clear_Sky | 50 | 5 | 41 | BLACK_TOP | -20 | 1.40 | 1.65 | 2.10 | 5.0 | 5.9 | 7.6 | 3.1 | 3.7 | 4.7 |
| Clear_Sky | 50 | 5 | 41 | BLACK_TOP | -15 | 1.50 | 1.75 | 2.20 | 5.4 | 6.3 | 7.9 | 3.4 | 3.9 | 4.9 |
| Clear_Sky | 50 | 5 | 41 | BLACK_TOP | -10 | 1.60 | 1.85 | 2.30 | 5.8 | 6.7 | 8.3 | 3.6 | 4.1 | 5.2 |
| Clear_Sky | 50 | 5 | 41 | BLACK_TOP | -5 | 1.70 | 1.95 | 2.40 | 6.1 | 7.0 | 8.6 | 3.8 | 4.4 | 5.4 |
| Clear_Sky | 50 | 5 | 41 | BLACK_TOP | 0 | 1.80 | 2.05 | 2.50 | 6.5 | 7.4 | 9.0 | 4.0 | 4.6 | 5.6 |
| Clear_Sky | 50 | 5 | 41 | BLACK_TOP | 5 | 1.30 | 1.55 | 2.00 | 4.7 | 5.6 | 7.2 | 2.9 | 3.5 | 4.5 |
| Clear_Sky | 50 | 5 | 41 | BLACK_TOP | 10 | 0.95 | 1.20 | 1.60 | 3.4 | 4.3 | 5.8 | 2.1 | 2.7 | 3.6 |
| Clear_Sky | 50 | 5 | 41 | BLACK_TOP | 15 | 0.75 | 0.95 | 1.30 | 2.7 | 3.4 | 4.7 | 1.7 | 2.1 | 2.9 |
| Clear_Sky | 50 | 5 | 41 | BLACK_TOP | 20 | 0.60 | 0.80 | 1.10 | 2.2 | 2.9 | 4.0 | 1.3 | 1.8 | 2.5 |
| Clear_Sky | 50 | 5 | 41 | BLACK_TOP | 30 | 0.40 | 0.55 | 0.80 | 1.4 | 2.0 | 2.9 | 0.9 | 1.2 | 1.8 |
| Clear_Sky | 50 | 5 | 41 | BLACK_TOP | 40 | 0.30 | 0.45 | 0.65 | 1.1 | 1.6 | 2.3 | 0.7 | 1.0 | 1.5 |
| Clear_Sky | 50 | 5 | 41 | BLACK_TOP | 50 | 0.25 | 0.35 | 0.50 | 0.9 | 1.3 | 1.8 | 0.6 | 0.8 | 1.1 |
| Clear_Sky | 50 | 5 | 41 | DIRT_ROAD | -50 | 0.90 | 1.10 | 1.50 | 3.2 | 4.0 | 5.4 | 2.0 | 2.5 | 3.4 |
| Clear_Sky | 50 | 5 | 41 | DIRT_ROAD | -40 | 1.00 | 1.25 | 1.65 | 3.6 | 4.5 | 5.9 | 2.2 | 2.8 | 3.7 |
| Clear_Sky | 50 | 5 | 41 | DIRT_ROAD | -30 | 1.15 | 1.40 | 1.80 | 4.1 | 5.0 | 6.5 | 2.6 | 3.1 | 4.0 |
| Clear_Sky | 50 | 5 | 41 | DIRT_ROAD | -20 | 1.30 | 1.55 | 2.00 | 4.7 | 5.6 | 7.2 | 2.9 | 3.5 | 4.5 |
| Clear_Sky | 50 | 5 | 41 | DIRT_ROAD | -15 | 1.40 | 1.65 | 2.10 | 5.0 | 5.9 | 7.6 | 3.1 | 3.7 | 4.7 |
| Clear_Sky | 50 | 5 | 41 | DIRT_ROAD | -10 | 1.50 | 1.75 | 2.20 | 5.4 | 6.3 | 7.9 | 3.4 | 3.9 | 4.9 |
| Clear_Sky | 50 | 5 | 41 | DIRT_ROAD | -5 | 1.60 | 1.85 | 2.30 | 5.8 | 6.7 | 8.3 | 3.6 | 4.1 | 5.2 |
| Clear_Sky | 50 | 5 | 41 | DIRT_ROAD | 0 | 1.70 | 2.00 | 2.40 | 6.1 | 7.2 | 8.6 | 3.8 | 4.5 | 5.4 |
| Clear_Sky | 50 | 5 | 41 | DIRT_ROAD | 5 | 1.25 | 1.50 | 1.90 | 4.5 | 5.4 | 6.8 | 2.8 | 3.4 | 4.3 |
| Clear_Sky | 50 | 5 | 41 | DIRT_ROAD | 10 | 0.90 | 1.10 | 1.50 | 3.2 | 4.0 | 5.4 | 2.0 | 2.5 | 3.4 |
| Clear_Sky | 50 | 5 | 41 | DIRT_ROAD | 15 | 0.70 | 0.90 | 1.20 | 2.5 | 3.2 | 4.3 | 1.6 | 2.0 | 2.7 |
| Clear_Sky | 50 | 5 | 41 | DIRT_ROAD | 20 | 0.55 | 0.70 | 1.00 | 2.0 | 2.5 | 3.6 | 1.2 | 1.6 | 2.2 |
| Clear_Sky | 50 | 5 | 41 | DIRT_ROAD | 30 | 0.40 | 0.50 | 0.75 | 1.4 | 1.8 | 2.7 | 0.9 | 1.1 | 1.7 |
| Clear_Sky | 50 | 5 | 41 | DIRT_ROAD | 40 | 0.30 | 0.40 | 0.55 | 1.1 | 1.4 | 2.0 | 0.7 | 0.9 | 1.2 |
| Clear_Sky | 50 | 5 | 41 | DIRT_ROAD | 50 | 0.25 | 0.30 | 0.45 | 0.9 | 1.1 | 1.6 | 0.6 | 0.7 | 1.0 |
| Clear_Sky | 50 | 5 | 41 | LOOSE_SAND | -50 | 0.50 | 0.65 | 0.90 | 1.8 | 2.3 | 3.2 | 1.1 | 1.5 | 2.0 |
| Clear_Sky | 50 | 5 | 41 | LOOSE_SAND | -40 | 0.60 | 0.75 | 1.05 | 2.2 | 2.7 | 3.8 | 1.3 | 1.7 | 2.4 |
| Clear_Sky | 50 | 5 | 41 | LOOSE_SAND | -30 | 0.70 | 0.90 | 1.15 | 2.5 | 3.2 | 4.1 | 1.6 | 2.0 | 2.6 |
| Clear_Sky | 50 | 5 | 41 | LOOSE_SAND | -20 | 0.85 | 1.05 | 1.35 | 3.1 | 3.8 | 4.9 | 1.9 | 2.4 | 3.0 |
| Clear_Sky | 50 | 5 | 41 | LOOSE_SAND | -15 | 0.95 | 1.10 | 1.40 | 3.4 | 4.0 | 5.0 | 2.1 | 2.5 | 3.1 |
| Clear_Sky | 50 | 5 | 41 | LOOSE_SAND | -10 | 1.00 | 1.20 | 1.50 | 3.6 | 4.3 | 5.4 | 2.2 | 2.7 | 3.4 |
| Clear_Sky | 50 | 5 | 41 | LOOSE_SAND | -5 | 1.10 | 1.30 | 1.60 | 4.0 | 4.7 | 5.8 | 2.5 | 2.9 | 3.6 |
| Clear_Sky | 50 | 5 | 41 | LOOSE_SAND | 0 | 1.25 | 1.40 | 1.75 | 4.5 | 5.0 | 6.3 | 2.8 | 3.1 | 3.9 |
| Clear_Sky | 50 | 5 | 41 | LOOSE_SAND | 5 | 0.80 | 0.95 | 1.25 | 2.9 | 3.4 | 4.5 | 1.8 | 2.1 | 2.8 |
| Clear_Sky | 50 | 5 | 41 | LOOSE_SAND | 10 | 0.50 | 0.65 | 0.90 | 1.8 | 2.3 | 3.2 | 1.1 | 1.5 | 2.0 |
| Clear_Sky | 50 | 5 | 41 | LOOSE_SAND | 15 | 0.40 | 0.50 | 0.70 | 1.4 | 1.8 | 2.5 | 0.9 | 1.1 | 1.6 |
| Clear_Sky | 50 | 5 | 41 | LOOSE_SAND | 20 | 0.30 | 0.40 | 0.55 | 1.1 | 1.4 | 2.0 | 0.7 | 0.9 | 1.2 |
| Clear_Sky | 50 | 5 | 41 | LOOSE_SAND | 30 | 0.20 | 0.25 | 0.40 | 0.7 | 0.9 | 1.4 | 0.4 | 0.6 | 0.9 |
| Clear_Sky | 50 | 5 | 41 | LOOSE_SAND | 40 | 0.15 | 0.20 | 0.30 | 0.5 | 0.7 | 1.1 | 0.3 | 0.4 | 0.7 |
| Clear_Sky | 50 | 5 | 41 | LOOSE_SAND | 50 | 0.10 | 0.15 | 0.25 | 0.4 | 0.5 | 0.9 | 0.2 | 0.3 | 0.6 |

Table D-16. Maximum Sustainable Speed, Clear Sky, 50% Humidity, 10°C (50°F)

| Cloud Cover | RH (%) | °C | °F | Terrain Type | Grade (%) | Max Sustainable Speed (meters/second) | | | Max Sustainable Speed (kilometers/hour) | | | Max Sustainable Speed (miles/hour) | | |
|-------------|--------|----|----|--------------|-----------|---------------------------------------|------|------|---|-----|------|------------------------------------|-----|------|
| | | | | | | Risk Level | | | Risk Level | | | Risk Level | | |
| | | | | | | Low | Mod | High | Low | Mod | High | Low | Mod | High |
| Clear_Sky | 50 | 10 | 50 | BLACK_TOP | -50 | 0.90 | 1.10 | 1.40 | 3.2 | 4.0 | 5.0 | 2.0 | 2.5 | 3.1 |
| Clear_Sky | 50 | 10 | 50 | BLACK_TOP | -40 | 1.00 | 1.25 | 1.55 | 3.6 | 4.5 | 5.6 | 2.2 | 2.8 | 3.5 |
| Clear_Sky | 50 | 10 | 50 | BLACK_TOP | -30 | 1.15 | 1.40 | 1.70 | 4.1 | 5.0 | 6.1 | 2.6 | 3.1 | 3.8 |
| Clear_Sky | 50 | 10 | 50 | BLACK_TOP | -20 | 1.30 | 1.55 | 1.90 | 4.7 | 5.6 | 6.8 | 2.9 | 3.5 | 4.3 |
| Clear_Sky | 50 | 10 | 50 | BLACK_TOP | -15 | 1.40 | 1.65 | 2.00 | 5.0 | 5.9 | 7.2 | 3.1 | 3.7 | 4.5 |
| Clear_Sky | 50 | 10 | 50 | BLACK_TOP | -10 | 1.45 | 1.75 | 2.10 | 5.2 | 6.3 | 7.6 | 3.2 | 3.9 | 4.7 |
| Clear_Sky | 50 | 10 | 50 | BLACK_TOP | -5 | 1.60 | 1.85 | 2.20 | 5.8 | 6.7 | 7.9 | 3.6 | 4.1 | 4.9 |
| Clear_Sky | 50 | 10 | 50 | BLACK_TOP | 0 | 1.70 | 1.95 | 2.30 | 6.1 | 7.0 | 8.3 | 3.8 | 4.4 | 5.2 |
| Clear_Sky | 50 | 10 | 50 | BLACK_TOP | 5 | 1.20 | 1.45 | 1.80 | 4.3 | 5.2 | 6.5 | 2.7 | 3.2 | 4.0 |
| Clear_Sky | 50 | 10 | 50 | BLACK_TOP | 10 | 0.90 | 1.10 | 1.40 | 3.2 | 4.0 | 5.0 | 2.0 | 2.5 | 3.1 |
| Clear_Sky | 50 | 10 | 50 | BLACK_TOP | 15 | 0.70 | 0.90 | 1.15 | 2.5 | 3.2 | 4.1 | 1.6 | 2.0 | 2.6 |
| Clear_Sky | 50 | 10 | 50 | BLACK_TOP | 20 | 0.55 | 0.70 | 0.95 | 2.0 | 2.5 | 3.4 | 1.2 | 1.6 | 2.1 |
| Clear_Sky | 50 | 10 | 50 | BLACK_TOP | 30 | 0.35 | 0.50 | 0.70 | 1.3 | 1.8 | 2.5 | 0.8 | 1.1 | 1.6 |
| Clear_Sky | 50 | 10 | 50 | BLACK_TOP | 40 | 0.30 | 0.40 | 0.55 | 1.1 | 1.4 | 2.0 | 0.7 | 0.9 | 1.2 |
| Clear_Sky | 50 | 10 | 50 | BLACK_TOP | 50 | 0.20 | 0.30 | 0.40 | 0.7 | 1.1 | 1.4 | 0.4 | 0.7 | 0.9 |
| Clear_Sky | 50 | 10 | 50 | DIRT_ROAD | -50 | 0.80 | 1.05 | 1.30 | 2.9 | 3.8 | 4.7 | 1.8 | 2.4 | 2.9 |
| Clear_Sky | 50 | 10 | 50 | DIRT_ROAD | -40 | 0.95 | 1.15 | 1.45 | 3.4 | 4.1 | 5.2 | 2.1 | 2.6 | 3.2 |
| Clear_Sky | 50 | 10 | 50 | DIRT_ROAD | -30 | 1.05 | 1.30 | 1.60 | 3.8 | 4.7 | 5.8 | 2.4 | 2.9 | 3.6 |
| Clear_Sky | 50 | 10 | 50 | DIRT_ROAD | -20 | 1.20 | 1.45 | 1.80 | 4.3 | 5.2 | 6.5 | 2.7 | 3.2 | 4.0 |
| Clear_Sky | 50 | 10 | 50 | DIRT_ROAD | -15 | 1.30 | 1.55 | 1.90 | 4.7 | 5.6 | 6.8 | 2.9 | 3.5 | 4.3 |
| Clear_Sky | 50 | 10 | 50 | DIRT_ROAD | -10 | 1.40 | 1.65 | 2.00 | 5.0 | 5.9 | 7.2 | 3.1 | 3.7 | 4.5 |
| Clear_Sky | 50 | 10 | 50 | DIRT_ROAD | -5 | 1.50 | 1.75 | 2.10 | 5.4 | 6.3 | 7.6 | 3.4 | 3.9 | 4.7 |
| Clear_Sky | 50 | 10 | 50 | DIRT_ROAD | 0 | 1.60 | 1.90 | 2.20 | 5.8 | 6.8 | 7.9 | 3.6 | 4.3 | 4.9 |
| Clear_Sky | 50 | 10 | 50 | DIRT_ROAD | 5 | 1.15 | 1.40 | 1.70 | 4.1 | 5.0 | 6.1 | 2.6 | 3.1 | 3.8 |
| Clear_Sky | 50 | 10 | 50 | DIRT_ROAD | 10 | 0.80 | 1.05 | 1.30 | 2.9 | 3.8 | 4.7 | 1.8 | 2.4 | 2.9 |
| Clear_Sky | 50 | 10 | 50 | DIRT_ROAD | 15 | 0.60 | 0.80 | 1.05 | 2.2 | 2.9 | 3.8 | 1.3 | 1.8 | 2.4 |
| Clear_Sky | 50 | 10 | 50 | DIRT_ROAD | 20 | 0.50 | 0.65 | 0.85 | 1.8 | 2.3 | 3.1 | 1.1 | 1.5 | 1.9 |
| Clear_Sky | 50 | 10 | 50 | DIRT_ROAD | 30 | 0.35 | 0.45 | 0.60 | 1.3 | 1.6 | 2.2 | 0.8 | 1.0 | 1.3 |
| Clear_Sky | 50 | 10 | 50 | DIRT_ROAD | 40 | 0.25 | 0.35 | 0.50 | 0.9 | 1.3 | 1.8 | 0.6 | 0.8 | 1.1 |
| Clear_Sky | 50 | 10 | 50 | DIRT_ROAD | 50 | 0.20 | 0.30 | 0.40 | 0.7 | 1.1 | 1.4 | 0.4 | 0.7 | 0.9 |
| Clear_Sky | 50 | 10 | 50 | LOOSE_SAND | -50 | 0.45 | 0.60 | 0.80 | 1.6 | 2.2 | 2.9 | 1.0 | 1.3 | 1.8 |
| Clear_Sky | 50 | 10 | 50 | LOOSE_SAND | -40 | 0.55 | 0.70 | 0.90 | 2.0 | 2.5 | 3.2 | 1.2 | 1.6 | 2.0 |
| Clear_Sky | 50 | 10 | 50 | LOOSE_SAND | -30 | 0.65 | 0.80 | 1.05 | 2.3 | 2.9 | 3.8 | 1.5 | 1.8 | 2.4 |
| Clear_Sky | 50 | 10 | 50 | LOOSE_SAND | -20 | 0.80 | 0.95 | 1.20 | 2.9 | 3.4 | 4.3 | 1.8 | 2.1 | 2.7 |
| Clear_Sky | 50 | 10 | 50 | LOOSE_SAND | -15 | 0.85 | 1.05 | 1.25 | 3.1 | 3.8 | 4.5 | 1.9 | 2.4 | 2.8 |
| Clear_Sky | 50 | 10 | 50 | LOOSE_SAND | -10 | 0.95 | 1.15 | 1.35 | 3.4 | 4.1 | 4.9 | 2.1 | 2.6 | 3.0 |
| Clear_Sky | 50 | 10 | 50 | LOOSE_SAND | -5 | 1.05 | 1.25 | 1.45 | 3.8 | 4.5 | 5.2 | 2.4 | 2.8 | 3.2 |
| Clear_Sky | 50 | 10 | 50 | LOOSE_SAND | 0 | 1.15 | 1.35 | 1.60 | 4.1 | 4.9 | 5.8 | 2.6 | 3.0 | 3.6 |
| Clear_Sky | 50 | 10 | 50 | LOOSE_SAND | 5 | 0.70 | 0.90 | 1.10 | 2.5 | 3.2 | 4.0 | 1.6 | 2.0 | 2.5 |
| Clear_Sky | 50 | 10 | 50 | LOOSE_SAND | 10 | 0.45 | 0.60 | 0.80 | 1.6 | 2.2 | 2.9 | 1.0 | 1.3 | 1.8 |
| Clear_Sky | 50 | 10 | 50 | LOOSE_SAND | 15 | 0.35 | 0.45 | 0.60 | 1.3 | 1.6 | 2.2 | 0.8 | 1.0 | 1.3 |
| Clear_Sky | 50 | 10 | 50 | LOOSE_SAND | 20 | 0.25 | 0.35 | 0.50 | 0.9 | 1.3 | 1.8 | 0.6 | 0.8 | 1.1 |
| Clear_Sky | 50 | 10 | 50 | LOOSE_SAND | 30 | 0.15 | 0.25 | 0.35 | 0.5 | 0.9 | 1.3 | 0.3 | 0.6 | 0.8 |
| Clear_Sky | 50 | 10 | 50 | LOOSE_SAND | 40 | 0.10 | 0.15 | 0.25 | 0.4 | 0.5 | 0.9 | 0.2 | 0.3 | 0.6 |
| Clear_Sky | 50 | 10 | 50 | LOOSE_SAND | 50 | 0.10 | 0.15 | 0.20 | 0.4 | 0.5 | 0.7 | 0.2 | 0.3 | 0.4 |

Table D-17. Maximum Sustainable Speed, Clear Sky, 50% Humidity, 15°C (59°F)

| Cloud Cover | RH (%) | °C | °F | Terrain Type | Grade (%) | Max Sustainable Speed (meters/second) | | | Max Sustainable Speed (kilometers/hour) | | | Max Sustainable Speed (miles/hour) | | |
|-------------|--------|----|----|--------------|-----------|---------------------------------------|------|------|---|-----|------|------------------------------------|-----|------|
| | | | | | | Risk Level | | | Risk Level | | | Risk Level | | |
| | | | | | | Low | Mod | High | Low | Mod | High | Low | Mod | High |
| Clear_Sky | 50 | 15 | 59 | BLACK_TOP | -50 | 0.80 | 1.05 | 1.25 | 2.9 | 3.8 | 4.5 | 1.8 | 2.4 | 2.8 |
| Clear_Sky | 50 | 15 | 59 | BLACK_TOP | -40 | 0.90 | 1.15 | 1.40 | 3.2 | 4.1 | 5.0 | 2.0 | 2.6 | 3.1 |
| Clear_Sky | 50 | 15 | 59 | BLACK_TOP | -30 | 1.00 | 1.30 | 1.55 | 3.6 | 4.7 | 5.6 | 2.2 | 2.9 | 3.5 |
| Clear_Sky | 50 | 15 | 59 | BLACK_TOP | -20 | 1.20 | 1.45 | 1.70 | 4.3 | 5.2 | 6.1 | 2.7 | 3.2 | 3.8 |
| Clear_Sky | 50 | 15 | 59 | BLACK_TOP | -15 | 1.25 | 1.55 | 1.80 | 4.5 | 5.6 | 6.5 | 2.8 | 3.5 | 4.0 |
| Clear_Sky | 50 | 15 | 59 | BLACK_TOP | -10 | 1.35 | 1.65 | 1.90 | 4.9 | 5.9 | 6.8 | 3.0 | 3.7 | 4.3 |
| Clear_Sky | 50 | 15 | 59 | BLACK_TOP | -5 | 1.45 | 1.75 | 2.00 | 5.2 | 6.3 | 7.2 | 3.2 | 3.9 | 4.5 |
| Clear_Sky | 50 | 15 | 59 | BLACK_TOP | 0 | 1.60 | 1.85 | 2.10 | 5.8 | 6.7 | 7.6 | 3.6 | 4.1 | 4.7 |
| Clear_Sky | 50 | 15 | 59 | BLACK_TOP | 5 | 1.10 | 1.35 | 1.60 | 4.0 | 4.9 | 5.8 | 2.5 | 3.0 | 3.6 |
| Clear_Sky | 50 | 15 | 59 | BLACK_TOP | 10 | 0.80 | 1.05 | 1.25 | 2.9 | 3.8 | 4.5 | 1.8 | 2.4 | 2.8 |
| Clear_Sky | 50 | 15 | 59 | BLACK_TOP | 15 | 0.60 | 0.80 | 1.00 | 2.2 | 2.9 | 3.6 | 1.3 | 1.8 | 2.2 |
| Clear_Sky | 50 | 15 | 59 | BLACK_TOP | 20 | 0.45 | 0.65 | 0.80 | 1.6 | 2.3 | 2.9 | 1.0 | 1.5 | 1.8 |
| Clear_Sky | 50 | 15 | 59 | BLACK_TOP | 30 | 0.30 | 0.45 | 0.60 | 1.1 | 1.6 | 2.2 | 0.7 | 1.0 | 1.3 |
| Clear_Sky | 50 | 15 | 59 | BLACK_TOP | 40 | 0.25 | 0.35 | 0.45 | 0.9 | 1.3 | 1.6 | 0.6 | 0.8 | 1.0 |
| Clear_Sky | 50 | 15 | 59 | BLACK_TOP | 50 | 0.20 | 0.25 | 0.35 | 0.7 | 0.9 | 1.3 | 0.4 | 0.6 | 0.8 |
| Clear_Sky | 50 | 15 | 59 | DIRT_ROAD | -50 | 0.75 | 0.95 | 1.15 | 2.7 | 3.4 | 4.1 | 1.7 | 2.1 | 2.6 |
| Clear_Sky | 50 | 15 | 59 | DIRT_ROAD | -40 | 0.85 | 1.05 | 1.30 | 3.1 | 3.8 | 4.7 | 1.9 | 2.4 | 2.9 |
| Clear_Sky | 50 | 15 | 59 | DIRT_ROAD | -30 | 0.95 | 1.20 | 1.45 | 3.4 | 4.3 | 5.2 | 2.1 | 2.7 | 3.2 |
| Clear_Sky | 50 | 15 | 59 | DIRT_ROAD | -20 | 1.10 | 1.35 | 1.60 | 4.0 | 4.9 | 5.8 | 2.5 | 3.0 | 3.6 |
| Clear_Sky | 50 | 15 | 59 | DIRT_ROAD | -15 | 1.20 | 1.45 | 1.70 | 4.3 | 5.2 | 6.1 | 2.7 | 3.2 | 3.8 |
| Clear_Sky | 50 | 15 | 59 | DIRT_ROAD | -10 | 1.30 | 1.55 | 1.80 | 4.7 | 5.6 | 6.5 | 2.9 | 3.5 | 4.0 |
| Clear_Sky | 50 | 15 | 59 | DIRT_ROAD | -5 | 1.40 | 1.65 | 1.90 | 5.0 | 5.9 | 6.8 | 3.1 | 3.7 | 4.3 |
| Clear_Sky | 50 | 15 | 59 | DIRT_ROAD | 0 | 1.50 | 1.75 | 2.00 | 5.4 | 6.3 | 7.2 | 3.4 | 3.9 | 4.5 |
| Clear_Sky | 50 | 15 | 59 | DIRT_ROAD | 5 | 1.05 | 1.30 | 1.50 | 3.8 | 4.7 | 5.4 | 2.4 | 2.9 | 3.4 |
| Clear_Sky | 50 | 15 | 59 | DIRT_ROAD | 10 | 0.75 | 0.95 | 1.15 | 2.7 | 3.4 | 4.1 | 1.7 | 2.1 | 2.6 |
| Clear_Sky | 50 | 15 | 59 | DIRT_ROAD | 15 | 0.55 | 0.75 | 0.90 | 2.0 | 2.7 | 3.2 | 1.2 | 1.7 | 2.0 |
| Clear_Sky | 50 | 15 | 59 | DIRT_ROAD | 20 | 0.45 | 0.60 | 0.75 | 1.6 | 2.2 | 2.7 | 1.0 | 1.3 | 1.7 |
| Clear_Sky | 50 | 15 | 59 | DIRT_ROAD | 30 | 0.30 | 0.40 | 0.55 | 1.1 | 1.4 | 2.0 | 0.7 | 0.9 | 1.2 |
| Clear_Sky | 50 | 15 | 59 | DIRT_ROAD | 40 | 0.20 | 0.30 | 0.40 | 0.7 | 1.1 | 1.4 | 0.4 | 0.7 | 0.9 |
| Clear_Sky | 50 | 15 | 59 | DIRT_ROAD | 50 | 0.15 | 0.25 | 0.30 | 0.5 | 0.9 | 1.1 | 0.3 | 0.6 | 0.7 |
| Clear_Sky | 50 | 15 | 59 | LOOSE_SAND | -50 | 0.40 | 0.55 | 0.70 | 1.4 | 2.0 | 2.5 | 0.9 | 1.2 | 1.6 |
| Clear_Sky | 50 | 15 | 59 | LOOSE_SAND | -40 | 0.50 | 0.65 | 0.80 | 1.8 | 2.3 | 2.9 | 1.1 | 1.5 | 1.8 |
| Clear_Sky | 50 | 15 | 59 | LOOSE_SAND | -30 | 0.60 | 0.75 | 0.90 | 2.2 | 2.7 | 3.2 | 1.3 | 1.7 | 2.0 |
| Clear_Sky | 50 | 15 | 59 | LOOSE_SAND | -20 | 0.70 | 0.90 | 1.05 | 2.5 | 3.2 | 3.8 | 1.6 | 2.0 | 2.4 |
| Clear_Sky | 50 | 15 | 59 | LOOSE_SAND | -15 | 0.80 | 0.95 | 1.15 | 2.9 | 3.4 | 4.1 | 1.8 | 2.1 | 2.6 |
| Clear_Sky | 50 | 15 | 59 | LOOSE_SAND | -10 | 0.85 | 1.05 | 1.25 | 3.1 | 3.8 | 4.5 | 1.9 | 2.4 | 2.8 |
| Clear_Sky | 50 | 15 | 59 | LOOSE_SAND | -5 | 0.95 | 1.15 | 1.35 | 3.4 | 4.1 | 4.9 | 2.1 | 2.6 | 3.0 |
| Clear_Sky | 50 | 15 | 59 | LOOSE_SAND | 0 | 1.10 | 1.30 | 1.45 | 4.0 | 4.7 | 5.2 | 2.5 | 2.9 | 3.2 |
| Clear_Sky | 50 | 15 | 59 | LOOSE_SAND | 5 | 0.65 | 0.80 | 1.00 | 2.3 | 2.9 | 3.6 | 1.5 | 1.8 | 2.2 |
| Clear_Sky | 50 | 15 | 59 | LOOSE_SAND | 10 | 0.40 | 0.55 | 0.70 | 1.4 | 2.0 | 2.5 | 0.9 | 1.2 | 1.6 |
| Clear_Sky | 50 | 15 | 59 | LOOSE_SAND | 15 | 0.30 | 0.40 | 0.50 | 1.1 | 1.4 | 1.8 | 0.7 | 0.9 | 1.1 |
| Clear_Sky | 50 | 15 | 59 | LOOSE_SAND | 20 | 0.20 | 0.30 | 0.40 | 0.7 | 1.1 | 1.4 | 0.4 | 0.7 | 0.9 |
| Clear_Sky | 50 | 15 | 59 | LOOSE_SAND | 30 | 0.15 | 0.20 | 0.30 | 0.5 | 0.7 | 1.1 | 0.3 | 0.4 | 0.7 |
| Clear_Sky | 50 | 15 | 59 | LOOSE_SAND | 40 | 0.10 | 0.15 | 0.20 | 0.4 | 0.5 | 0.7 | 0.2 | 0.3 | 0.4 |
| Clear_Sky | 50 | 15 | 59 | LOOSE_SAND | 50 | 0.10 | 0.10 | 0.15 | 0.4 | 0.4 | 0.5 | 0.2 | 0.2 | 0.3 |

Table D-18. Maximum Sustainable Speed, Clear Sky, 50% Humidity, 20°C (68°F)

| Cloud Cover | RH (%) | °C | °F | Terrain Type | Grade (%) | Max Sustainable Speed (meters/second) | | | Max Sustainable Speed (kilometers/hour) | | | Max Sustainable Speed (miles/hour) | | |
|-------------|--------|----|----|--------------|-----------|---------------------------------------|------|------|---|-----|------|------------------------------------|-----|------|
| | | | | | | Risk Level | | | Risk Level | | | Risk Level | | |
| | | | | | | Low | Mod | High | Low | Mod | High | Low | Mod | High |
| Clear_Sky | 50 | 20 | 68 | BLACK_TOP | -50 | 0.70 | 0.95 | 1.05 | 2.5 | 3.4 | 3.8 | 1.6 | 2.1 | 2.4 |
| Clear_Sky | 50 | 20 | 68 | BLACK_TOP | -40 | 0.80 | 1.05 | 1.20 | 2.9 | 3.8 | 4.3 | 1.8 | 2.4 | 2.7 |
| Clear_Sky | 50 | 20 | 68 | BLACK_TOP | -30 | 0.90 | 1.20 | 1.35 | 3.2 | 4.3 | 4.9 | 2.0 | 2.7 | 3.0 |
| Clear_Sky | 50 | 20 | 68 | BLACK_TOP | -20 | 1.05 | 1.35 | 1.50 | 3.8 | 4.9 | 5.4 | 2.4 | 3.0 | 3.4 |
| Clear_Sky | 50 | 20 | 68 | BLACK_TOP | -15 | 1.15 | 1.45 | 1.60 | 4.1 | 5.2 | 5.8 | 2.6 | 3.2 | 3.6 |
| Clear_Sky | 50 | 20 | 68 | BLACK_TOP | -10 | 1.25 | 1.55 | 1.70 | 4.5 | 5.6 | 6.1 | 2.8 | 3.5 | 3.8 |
| Clear_Sky | 50 | 20 | 68 | BLACK_TOP | -5 | 1.35 | 1.65 | 1.80 | 4.9 | 5.9 | 6.5 | 3.0 | 3.7 | 4.0 |
| Clear_Sky | 50 | 20 | 68 | BLACK_TOP | 0 | 1.45 | 1.75 | 1.90 | 5.2 | 6.3 | 6.8 | 3.2 | 3.9 | 4.3 |
| Clear_Sky | 50 | 20 | 68 | BLACK_TOP | 5 | 1.00 | 1.25 | 1.40 | 3.6 | 4.5 | 5.0 | 2.2 | 2.8 | 3.1 |
| Clear_Sky | 50 | 20 | 68 | BLACK_TOP | 10 | 0.70 | 0.95 | 1.05 | 2.5 | 3.4 | 3.8 | 1.6 | 2.1 | 2.4 |
| Clear_Sky | 50 | 20 | 68 | BLACK_TOP | 15 | 0.50 | 0.70 | 0.85 | 1.8 | 2.5 | 3.1 | 1.1 | 1.6 | 1.9 |
| Clear_Sky | 50 | 20 | 68 | BLACK_TOP | 20 | 0.40 | 0.55 | 0.65 | 1.4 | 2.0 | 2.3 | 0.9 | 1.2 | 1.5 |
| Clear_Sky | 50 | 20 | 68 | BLACK_TOP | 30 | 0.30 | 0.40 | 0.50 | 1.1 | 1.4 | 1.8 | 0.7 | 0.9 | 1.1 |
| Clear_Sky | 50 | 20 | 68 | BLACK_TOP | 40 | 0.20 | 0.30 | 0.35 | 0.7 | 1.1 | 1.3 | 0.4 | 0.7 | 0.8 |
| Clear_Sky | 50 | 20 | 68 | BLACK_TOP | 50 | 0.15 | 0.25 | 0.30 | 0.5 | 0.9 | 1.1 | 0.3 | 0.6 | 0.7 |
| Clear_Sky | 50 | 20 | 68 | DIRT_ROAD | -50 | 0.65 | 0.85 | 1.00 | 2.3 | 3.1 | 3.6 | 1.5 | 1.9 | 2.2 |
| Clear_Sky | 50 | 20 | 68 | DIRT_ROAD | -40 | 0.75 | 0.95 | 1.10 | 2.7 | 3.4 | 4.0 | 1.7 | 2.1 | 2.5 |
| Clear_Sky | 50 | 20 | 68 | DIRT_ROAD | -30 | 0.85 | 1.10 | 1.25 | 3.1 | 4.0 | 4.5 | 1.9 | 2.5 | 2.8 |
| Clear_Sky | 50 | 20 | 68 | DIRT_ROAD | -20 | 1.00 | 1.25 | 1.40 | 3.6 | 4.5 | 5.0 | 2.2 | 2.8 | 3.1 |
| Clear_Sky | 50 | 20 | 68 | DIRT_ROAD | -15 | 1.10 | 1.35 | 1.50 | 4.0 | 4.9 | 5.4 | 2.5 | 3.0 | 3.4 |
| Clear_Sky | 50 | 20 | 68 | DIRT_ROAD | -10 | 1.15 | 1.45 | 1.60 | 4.1 | 5.2 | 5.8 | 2.6 | 3.2 | 3.6 |
| Clear_Sky | 50 | 20 | 68 | DIRT_ROAD | -5 | 1.30 | 1.55 | 1.70 | 4.7 | 5.6 | 6.1 | 2.9 | 3.5 | 3.8 |
| Clear_Sky | 50 | 20 | 68 | DIRT_ROAD | 0 | 1.40 | 1.65 | 1.80 | 5.0 | 5.9 | 6.5 | 3.1 | 3.7 | 4.0 |
| Clear_Sky | 50 | 20 | 68 | DIRT_ROAD | 5 | 0.90 | 1.20 | 1.35 | 3.2 | 4.3 | 4.9 | 2.0 | 2.7 | 3.0 |
| Clear_Sky | 50 | 20 | 68 | DIRT_ROAD | 10 | 0.65 | 0.85 | 1.00 | 2.3 | 3.1 | 3.6 | 1.5 | 1.9 | 2.2 |
| Clear_Sky | 50 | 20 | 68 | DIRT_ROAD | 15 | 0.45 | 0.65 | 0.75 | 1.6 | 2.3 | 2.7 | 1.0 | 1.5 | 1.7 |
| Clear_Sky | 50 | 20 | 68 | DIRT_ROAD | 20 | 0.35 | 0.50 | 0.60 | 1.3 | 1.8 | 2.2 | 0.8 | 1.1 | 1.3 |
| Clear_Sky | 50 | 20 | 68 | DIRT_ROAD | 30 | 0.25 | 0.35 | 0.45 | 0.9 | 1.3 | 1.6 | 0.6 | 0.8 | 1.0 |
| Clear_Sky | 50 | 20 | 68 | DIRT_ROAD | 40 | 0.20 | 0.25 | 0.35 | 0.7 | 0.9 | 1.3 | 0.4 | 0.6 | 0.8 |
| Clear_Sky | 50 | 20 | 68 | DIRT_ROAD | 50 | 0.15 | 0.20 | 0.25 | 0.5 | 0.7 | 0.9 | 0.3 | 0.4 | 0.6 |
| Clear_Sky | 50 | 20 | 68 | LOOSE_SAND | -50 | 0.35 | 0.50 | 0.60 | 1.3 | 1.8 | 2.2 | 0.8 | 1.1 | 1.3 |
| Clear_Sky | 50 | 20 | 68 | LOOSE_SAND | -40 | 0.45 | 0.60 | 0.65 | 1.6 | 2.2 | 2.3 | 1.0 | 1.3 | 1.5 |
| Clear_Sky | 50 | 20 | 68 | LOOSE_SAND | -30 | 0.50 | 0.70 | 0.80 | 1.8 | 2.5 | 2.9 | 1.1 | 1.6 | 1.8 |
| Clear_Sky | 50 | 20 | 68 | LOOSE_SAND | -20 | 0.65 | 0.80 | 0.90 | 2.3 | 2.9 | 3.2 | 1.5 | 1.8 | 2.0 |
| Clear_Sky | 50 | 20 | 68 | LOOSE_SAND | -15 | 0.70 | 0.90 | 1.00 | 2.5 | 3.2 | 3.6 | 1.6 | 2.0 | 2.2 |
| Clear_Sky | 50 | 20 | 68 | LOOSE_SAND | -10 | 0.80 | 1.00 | 1.10 | 2.9 | 3.6 | 4.0 | 1.8 | 2.2 | 2.5 |
| Clear_Sky | 50 | 20 | 68 | LOOSE_SAND | -5 | 0.90 | 1.10 | 1.20 | 3.2 | 4.0 | 4.3 | 2.0 | 2.5 | 2.7 |
| Clear_Sky | 50 | 20 | 68 | LOOSE_SAND | 0 | 1.00 | 1.20 | 1.30 | 3.6 | 4.3 | 4.7 | 2.2 | 2.7 | 2.9 |
| Clear_Sky | 50 | 20 | 68 | LOOSE_SAND | 5 | 0.55 | 0.75 | 0.85 | 2.0 | 2.7 | 3.1 | 1.2 | 1.7 | 1.9 |
| Clear_Sky | 50 | 20 | 68 | LOOSE_SAND | 10 | 0.35 | 0.50 | 0.60 | 1.3 | 1.8 | 2.2 | 0.8 | 1.1 | 1.3 |
| Clear_Sky | 50 | 20 | 68 | LOOSE_SAND | 15 | 0.25 | 0.35 | 0.45 | 0.9 | 1.3 | 1.6 | 0.6 | 0.8 | 1.0 |
| Clear_Sky | 50 | 20 | 68 | LOOSE_SAND | 20 | 0.20 | 0.30 | 0.35 | 0.7 | 1.1 | 1.3 | 0.4 | 0.7 | 0.8 |
| Clear_Sky | 50 | 20 | 68 | LOOSE_SAND | 30 | 0.10 | 0.20 | 0.20 | 0.4 | 0.7 | 0.7 | 0.2 | 0.4 | 0.4 |
| Clear_Sky | 50 | 20 | 68 | LOOSE_SAND | 40 | 0.10 | 0.15 | 0.15 | 0.4 | 0.5 | 0.5 | 0.2 | 0.3 | 0.3 |
| Clear_Sky | 50 | 20 | 68 | LOOSE_SAND | 50 | 0.05 | 0.10 | 0.15 | 0.2 | 0.4 | 0.5 | 0.1 | 0.2 | 0.3 |

Table D-19. Maximum Sustainable Speed, Clear Sky, 50% Humidity, 25°C (77°F)

| Cloud Cover | RH (%) | °C | °F | Terrain Type | Grade (%) | Max Sustainable Speed (meters/second) | | | Max Sustainable Speed (kilometers/hour) | | | Max Sustainable Speed (miles/hour) | | |
|-------------|--------|----|----|--------------|-----------|---------------------------------------|------|------|---|-----|------|------------------------------------|-----|------|
| | | | | | | Risk Level | | | Risk Level | | | Risk Level | | |
| | | | | | | Low | Mod | High | Low | Mod | High | Low | Mod | High |
| Clear_Sky | 50 | 25 | 77 | BLACK_TOP | -50 | 0.60 | 0.75 | 0.85 | 2.2 | 2.7 | 3.1 | 1.3 | 1.7 | 1.9 |
| Clear_Sky | 50 | 25 | 77 | BLACK_TOP | -40 | 0.70 | 0.85 | 1.00 | 2.5 | 3.1 | 3.6 | 1.6 | 1.9 | 2.2 |
| Clear_Sky | 50 | 25 | 77 | BLACK_TOP | -30 | 0.80 | 0.95 | 1.10 | 2.9 | 3.4 | 4.0 | 1.8 | 2.1 | 2.5 |
| Clear_Sky | 50 | 25 | 77 | BLACK_TOP | -20 | 0.95 | 1.10 | 1.25 | 3.4 | 4.0 | 4.5 | 2.1 | 2.5 | 2.8 |
| Clear_Sky | 50 | 25 | 77 | BLACK_TOP | -15 | 1.00 | 1.20 | 1.35 | 3.6 | 4.3 | 4.9 | 2.2 | 2.7 | 3.0 |
| Clear_Sky | 50 | 25 | 77 | BLACK_TOP | -10 | 1.10 | 1.30 | 1.45 | 4.0 | 4.7 | 5.2 | 2.5 | 2.9 | 3.2 |
| Clear_Sky | 50 | 25 | 77 | BLACK_TOP | -5 | 1.20 | 1.40 | 1.55 | 4.3 | 5.0 | 5.6 | 2.7 | 3.1 | 3.5 |
| Clear_Sky | 50 | 25 | 77 | BLACK_TOP | 0 | 1.35 | 1.50 | 1.65 | 4.9 | 5.4 | 5.9 | 3.0 | 3.4 | 3.7 |
| Clear_Sky | 50 | 25 | 77 | BLACK_TOP | 5 | 0.85 | 1.05 | 1.20 | 3.1 | 3.8 | 4.3 | 1.9 | 2.4 | 2.7 |
| Clear_Sky | 50 | 25 | 77 | BLACK_TOP | 10 | 0.60 | 0.75 | 0.85 | 2.2 | 2.7 | 3.1 | 1.3 | 1.7 | 1.9 |
| Clear_Sky | 50 | 25 | 77 | BLACK_TOP | 15 | 0.45 | 0.55 | 0.65 | 1.6 | 2.0 | 2.3 | 1.0 | 1.2 | 1.5 |
| Clear_Sky | 50 | 25 | 77 | BLACK_TOP | 20 | 0.35 | 0.45 | 0.50 | 1.3 | 1.6 | 1.8 | 0.8 | 1.0 | 1.1 |
| Clear_Sky | 50 | 25 | 77 | BLACK_TOP | 30 | 0.25 | 0.30 | 0.35 | 0.9 | 1.1 | 1.3 | 0.6 | 0.7 | 0.8 |
| Clear_Sky | 50 | 25 | 77 | BLACK_TOP | 40 | 0.15 | 0.20 | 0.25 | 0.5 | 0.7 | 0.9 | 0.3 | 0.4 | 0.6 |
| Clear_Sky | 50 | 25 | 77 | BLACK_TOP | 50 | 0.15 | 0.15 | 0.20 | 0.5 | 0.5 | 0.7 | 0.3 | 0.3 | 0.4 |
| Clear_Sky | 50 | 25 | 77 | DIRT_ROAD | -50 | 0.55 | 0.70 | 0.80 | 2.0 | 2.5 | 2.9 | 1.2 | 1.6 | 1.8 |
| Clear_Sky | 50 | 25 | 77 | DIRT_ROAD | -40 | 0.65 | 0.75 | 0.90 | 2.3 | 2.7 | 3.2 | 1.5 | 1.7 | 2.0 |
| Clear_Sky | 50 | 25 | 77 | DIRT_ROAD | -30 | 0.75 | 0.90 | 1.05 | 2.7 | 3.2 | 3.8 | 1.7 | 2.0 | 2.4 |
| Clear_Sky | 50 | 25 | 77 | DIRT_ROAD | -20 | 0.90 | 1.05 | 1.20 | 3.2 | 3.8 | 4.3 | 2.0 | 2.4 | 2.7 |
| Clear_Sky | 50 | 25 | 77 | DIRT_ROAD | -15 | 0.95 | 1.10 | 1.30 | 3.4 | 4.0 | 4.7 | 2.1 | 2.5 | 2.9 |
| Clear_Sky | 50 | 25 | 77 | DIRT_ROAD | -10 | 1.05 | 1.20 | 1.35 | 3.8 | 4.3 | 4.9 | 2.4 | 2.7 | 3.0 |
| Clear_Sky | 50 | 25 | 77 | DIRT_ROAD | -5 | 1.15 | 1.30 | 1.50 | 4.1 | 4.7 | 5.4 | 2.6 | 2.9 | 3.4 |
| Clear_Sky | 50 | 25 | 77 | DIRT_ROAD | 0 | 1.25 | 1.45 | 1.60 | 4.5 | 5.2 | 5.8 | 2.8 | 3.2 | 3.6 |
| Clear_Sky | 50 | 25 | 77 | DIRT_ROAD | 5 | 0.80 | 0.95 | 1.10 | 2.9 | 3.4 | 4.0 | 1.8 | 2.1 | 2.5 |
| Clear_Sky | 50 | 25 | 77 | DIRT_ROAD | 10 | 0.55 | 0.70 | 0.80 | 2.0 | 2.5 | 2.9 | 1.2 | 1.6 | 1.8 |
| Clear_Sky | 50 | 25 | 77 | DIRT_ROAD | 15 | 0.40 | 0.50 | 0.60 | 1.4 | 1.8 | 2.2 | 0.9 | 1.1 | 1.3 |
| Clear_Sky | 50 | 25 | 77 | DIRT_ROAD | 20 | 0.30 | 0.40 | 0.50 | 1.1 | 1.4 | 1.8 | 0.7 | 0.9 | 1.1 |
| Clear_Sky | 50 | 25 | 77 | DIRT_ROAD | 30 | 0.20 | 0.25 | 0.35 | 0.7 | 0.9 | 1.3 | 0.4 | 0.6 | 0.8 |
| Clear_Sky | 50 | 25 | 77 | DIRT_ROAD | 40 | 0.15 | 0.20 | 0.25 | 0.5 | 0.7 | 0.9 | 0.3 | 0.4 | 0.6 |
| Clear_Sky | 50 | 25 | 77 | DIRT_ROAD | 50 | 0.10 | 0.15 | 0.20 | 0.4 | 0.5 | 0.7 | 0.2 | 0.3 | 0.4 |
| Clear_Sky | 50 | 25 | 77 | LOOSE_SAND | -50 | 0.30 | 0.40 | 0.45 | 1.1 | 1.4 | 1.6 | 0.7 | 0.9 | 1.0 |
| Clear_Sky | 50 | 25 | 77 | LOOSE_SAND | -40 | 0.35 | 0.45 | 0.55 | 1.3 | 1.6 | 2.0 | 0.8 | 1.0 | 1.2 |
| Clear_Sky | 50 | 25 | 77 | LOOSE_SAND | -30 | 0.45 | 0.55 | 0.65 | 1.6 | 2.0 | 2.3 | 1.0 | 1.2 | 1.5 |
| Clear_Sky | 50 | 25 | 77 | LOOSE_SAND | -20 | 0.55 | 0.65 | 0.75 | 2.0 | 2.3 | 2.7 | 1.2 | 1.5 | 1.7 |
| Clear_Sky | 50 | 25 | 77 | LOOSE_SAND | -15 | 0.60 | 0.75 | 0.85 | 2.2 | 2.7 | 3.1 | 1.3 | 1.7 | 1.9 |
| Clear_Sky | 50 | 25 | 77 | LOOSE_SAND | -10 | 0.70 | 0.80 | 0.95 | 2.5 | 2.9 | 3.4 | 1.6 | 1.8 | 2.1 |
| Clear_Sky | 50 | 25 | 77 | LOOSE_SAND | -5 | 0.80 | 0.90 | 1.05 | 2.9 | 3.2 | 3.8 | 1.8 | 2.0 | 2.4 |
| Clear_Sky | 50 | 25 | 77 | LOOSE_SAND | 0 | 0.90 | 1.05 | 1.15 | 3.2 | 3.8 | 4.1 | 2.0 | 2.4 | 2.6 |
| Clear_Sky | 50 | 25 | 77 | LOOSE_SAND | 5 | 0.50 | 0.60 | 0.70 | 1.8 | 2.2 | 2.5 | 1.1 | 1.3 | 1.6 |
| Clear_Sky | 50 | 25 | 77 | LOOSE_SAND | 10 | 0.30 | 0.40 | 0.45 | 1.1 | 1.4 | 1.6 | 0.7 | 0.9 | 1.0 |
| Clear_Sky | 50 | 25 | 77 | LOOSE_SAND | 15 | 0.20 | 0.25 | 0.35 | 0.7 | 0.9 | 1.3 | 0.4 | 0.6 | 0.8 |
| Clear_Sky | 50 | 25 | 77 | LOOSE_SAND | 20 | 0.15 | 0.20 | 0.25 | 0.5 | 0.7 | 0.9 | 0.3 | 0.4 | 0.6 |
| Clear_Sky | 50 | 25 | 77 | LOOSE_SAND | 30 | 0.10 | 0.15 | 0.15 | 0.4 | 0.5 | 0.5 | 0.2 | 0.3 | 0.3 |
| Clear_Sky | 50 | 25 | 77 | LOOSE_SAND | 40 | 0.05 | 0.10 | 0.10 | 0.2 | 0.4 | 0.4 | 0.1 | 0.2 | 0.2 |
| Clear_Sky | 50 | 25 | 77 | LOOSE_SAND | 50 | 0.05 | 0.05 | 0.10 | 0.2 | 0.2 | 0.4 | 0.1 | 0.1 | 0.2 |

Table D-20. Maximum Sustainable Speed, Clear Sky, 50% Humidity, 30°C (86°F)

| Cloud Cover | RH (%) | °C | °F | Terrain Type | Grade (%) | Max Sustainable Speed (meters/second) | | | Max Sustainable Speed (kilometers/hour) | | | Max Sustainable Speed (miles/hour) | | |
|-------------|--------|----|----|--------------|-----------|---------------------------------------|------|------|---|-----|------|------------------------------------|-----|------|
| | | | | | | Risk Level | | | Risk Level | | | Risk Level | | |
| | | | | | | Low | Mod | High | Low | Mod | High | Low | Mod | High |
| Clear_Sky | 50 | 30 | 86 | BLACK_TOP | -50 | 0.45 | 0.50 | 0.60 | 1.6 | 1.8 | 2.2 | 1.0 | 1.1 | 1.3 |
| Clear_Sky | 50 | 30 | 86 | BLACK_TOP | -40 | 0.50 | 0.60 | 0.70 | 1.8 | 2.2 | 2.5 | 1.1 | 1.3 | 1.6 |
| Clear_Sky | 50 | 30 | 86 | BLACK_TOP | -30 | 0.60 | 0.70 | 0.85 | 2.2 | 2.5 | 3.1 | 1.3 | 1.6 | 1.9 |
| Clear_Sky | 50 | 30 | 86 | BLACK_TOP | -20 | 0.75 | 0.80 | 0.95 | 2.7 | 2.9 | 3.4 | 1.7 | 1.8 | 2.1 |
| Clear_Sky | 50 | 30 | 86 | BLACK_TOP | -15 | 0.80 | 0.90 | 1.05 | 2.9 | 3.2 | 3.8 | 1.8 | 2.0 | 2.4 |
| Clear_Sky | 50 | 30 | 86 | BLACK_TOP | -10 | 0.90 | 1.00 | 1.15 | 3.2 | 3.6 | 4.1 | 2.0 | 2.2 | 2.6 |
| Clear_Sky | 50 | 30 | 86 | BLACK_TOP | -5 | 1.00 | 1.10 | 1.25 | 3.6 | 4.0 | 4.5 | 2.2 | 2.5 | 2.8 |
| Clear_Sky | 50 | 30 | 86 | BLACK_TOP | 0 | 1.10 | 1.20 | 1.35 | 4.0 | 4.3 | 4.9 | 2.5 | 2.7 | 3.0 |
| Clear_Sky | 50 | 30 | 86 | BLACK_TOP | 5 | 0.65 | 0.75 | 0.90 | 2.3 | 2.7 | 3.2 | 1.5 | 1.7 | 2.0 |
| Clear_Sky | 50 | 30 | 86 | BLACK_TOP | 10 | 0.45 | 0.50 | 0.60 | 1.6 | 1.8 | 2.2 | 1.0 | 1.1 | 1.3 |
| Clear_Sky | 50 | 30 | 86 | BLACK_TOP | 15 | 0.30 | 0.35 | 0.45 | 1.1 | 1.3 | 1.6 | 0.7 | 0.8 | 1.0 |
| Clear_Sky | 50 | 30 | 86 | BLACK_TOP | 20 | 0.25 | 0.30 | 0.35 | 0.9 | 1.1 | 1.3 | 0.6 | 0.7 | 0.8 |
| Clear_Sky | 50 | 30 | 86 | BLACK_TOP | 30 | 0.15 | 0.20 | 0.25 | 0.5 | 0.7 | 0.9 | 0.3 | 0.4 | 0.6 |
| Clear_Sky | 50 | 30 | 86 | BLACK_TOP | 40 | 0.10 | 0.15 | 0.20 | 0.4 | 0.5 | 0.7 | 0.2 | 0.3 | 0.4 |
| Clear_Sky | 50 | 30 | 86 | BLACK_TOP | 50 | 0.10 | 0.10 | 0.15 | 0.4 | 0.4 | 0.5 | 0.2 | 0.2 | 0.3 |
| Clear_Sky | 50 | 30 | 86 | DIRT_ROAD | -50 | 0.40 | 0.45 | 0.55 | 1.4 | 1.6 | 2.0 | 0.9 | 1.0 | 1.2 |
| Clear_Sky | 50 | 30 | 86 | DIRT_ROAD | -40 | 0.45 | 0.55 | 0.65 | 1.6 | 2.0 | 2.3 | 1.0 | 1.2 | 1.5 |
| Clear_Sky | 50 | 30 | 86 | DIRT_ROAD | -30 | 0.55 | 0.65 | 0.75 | 2.0 | 2.3 | 2.7 | 1.2 | 1.5 | 1.7 |
| Clear_Sky | 50 | 30 | 86 | DIRT_ROAD | -20 | 0.70 | 0.75 | 0.90 | 2.5 | 2.7 | 3.2 | 1.6 | 1.7 | 2.0 |
| Clear_Sky | 50 | 30 | 86 | DIRT_ROAD | -15 | 0.75 | 0.85 | 1.00 | 2.7 | 3.1 | 3.6 | 1.7 | 1.9 | 2.2 |
| Clear_Sky | 50 | 30 | 86 | DIRT_ROAD | -10 | 0.85 | 0.95 | 1.10 | 3.1 | 3.4 | 4.0 | 1.9 | 2.1 | 2.5 |
| Clear_Sky | 50 | 30 | 86 | DIRT_ROAD | -5 | 0.95 | 1.05 | 1.20 | 3.4 | 3.8 | 4.3 | 2.1 | 2.4 | 2.7 |
| Clear_Sky | 50 | 30 | 86 | DIRT_ROAD | 0 | 1.05 | 1.15 | 1.30 | 3.8 | 4.1 | 4.7 | 2.4 | 2.6 | 2.9 |
| Clear_Sky | 50 | 30 | 86 | DIRT_ROAD | 5 | 0.60 | 0.70 | 0.85 | 2.2 | 2.5 | 3.1 | 1.3 | 1.6 | 1.9 |
| Clear_Sky | 50 | 30 | 86 | DIRT_ROAD | 10 | 0.40 | 0.45 | 0.55 | 1.4 | 1.6 | 2.0 | 0.9 | 1.0 | 1.2 |
| Clear_Sky | 50 | 30 | 86 | DIRT_ROAD | 15 | 0.30 | 0.35 | 0.40 | 1.1 | 1.3 | 1.4 | 0.7 | 0.8 | 0.9 |
| Clear_Sky | 50 | 30 | 86 | DIRT_ROAD | 20 | 0.20 | 0.25 | 0.30 | 0.7 | 0.9 | 1.1 | 0.4 | 0.6 | 0.7 |
| Clear_Sky | 50 | 30 | 86 | DIRT_ROAD | 30 | 0.15 | 0.15 | 0.20 | 0.5 | 0.5 | 0.7 | 0.3 | 0.3 | 0.4 |
| Clear_Sky | 50 | 30 | 86 | DIRT_ROAD | 40 | 0.10 | 0.10 | 0.15 | 0.4 | 0.4 | 0.5 | 0.2 | 0.2 | 0.3 |
| Clear_Sky | 50 | 30 | 86 | DIRT_ROAD | 50 | 0.05 | 0.10 | 0.10 | 0.2 | 0.4 | 0.4 | 0.1 | 0.2 | 0.2 |
| Clear_Sky | 50 | 30 | 86 | LOOSE_SAND | -50 | 0.20 | 0.25 | 0.30 | 0.7 | 0.9 | 1.1 | 0.4 | 0.6 | 0.7 |
| Clear_Sky | 50 | 30 | 86 | LOOSE_SAND | -40 | 0.25 | 0.30 | 0.40 | 0.9 | 1.1 | 1.4 | 0.6 | 0.7 | 0.9 |
| Clear_Sky | 50 | 30 | 86 | LOOSE_SAND | -30 | 0.35 | 0.35 | 0.45 | 1.3 | 1.3 | 1.6 | 0.8 | 0.8 | 1.0 |
| Clear_Sky | 50 | 30 | 86 | LOOSE_SAND | -20 | 0.40 | 0.45 | 0.55 | 1.4 | 1.6 | 2.0 | 0.9 | 1.0 | 1.2 |
| Clear_Sky | 50 | 30 | 86 | LOOSE_SAND | -15 | 0.50 | 0.55 | 0.65 | 1.8 | 2.0 | 2.3 | 1.1 | 1.2 | 1.5 |
| Clear_Sky | 50 | 30 | 86 | LOOSE_SAND | -10 | 0.55 | 0.60 | 0.70 | 2.0 | 2.2 | 2.5 | 1.2 | 1.3 | 1.6 |
| Clear_Sky | 50 | 30 | 86 | LOOSE_SAND | -5 | 0.65 | 0.70 | 0.80 | 2.3 | 2.5 | 2.9 | 1.5 | 1.6 | 1.8 |
| Clear_Sky | 50 | 30 | 86 | LOOSE_SAND | 0 | 0.75 | 0.80 | 0.95 | 2.7 | 2.9 | 3.4 | 1.7 | 1.8 | 2.1 |
| Clear_Sky | 50 | 30 | 86 | LOOSE_SAND | 5 | 0.35 | 0.40 | 0.50 | 1.3 | 1.4 | 1.8 | 0.8 | 0.9 | 1.1 |
| Clear_Sky | 50 | 30 | 86 | LOOSE_SAND | 10 | 0.20 | 0.25 | 0.30 | 0.7 | 0.9 | 1.1 | 0.4 | 0.6 | 0.7 |
| Clear_Sky | 50 | 30 | 86 | LOOSE_SAND | 15 | 0.15 | 0.15 | 0.20 | 0.5 | 0.5 | 0.7 | 0.3 | 0.3 | 0.4 |
| Clear_Sky | 50 | 30 | 86 | LOOSE_SAND | 20 | 0.10 | 0.10 | 0.15 | 0.4 | 0.4 | 0.5 | 0.2 | 0.2 | 0.3 |
| Clear_Sky | 50 | 30 | 86 | LOOSE_SAND | 30 | 0.05 | 0.05 | 0.10 | 0.2 | 0.2 | 0.4 | 0.1 | 0.1 | 0.2 |
| Clear_Sky | 50 | 30 | 86 | LOOSE_SAND | 40 | 0.05 | 0.05 | 0.05 | 0.2 | 0.2 | 0.2 | 0.1 | 0.1 | 0.1 |
| Clear_Sky | 50 | 30 | 86 | LOOSE_SAND | 50 | 0.05 | 0.05 | 0.05 | 0.2 | 0.2 | 0.2 | 0.1 | 0.1 | 0.1 |

Table D-21. Maximum Sustainable Speed, Clear Sky, 50% Humidity, 35°C (95°F)

| Cloud Cover | RH (%) | °C | °F | Terrain Type | Grade (%) | Max Sustainable Speed (meters/second) | | | Max Sustainable Speed (kilometers/hour) | | | Max Sustainable Speed (miles/hour) | | |
|-------------|--------|----|----|--------------|-----------|---------------------------------------|------|------|---|-----|------|------------------------------------|-----|------|
| | | | | | | Risk Level | | | Risk Level | | | Risk Level | | |
| | | | | | | Low | Mod | High | Low | Mod | High | Low | Mod | High |
| Clear_Sky | 50 | 35 | 95 | BLACK_TOP | -50 | 0.15 | 0.20 | 0.30 | 0.5 | 0.7 | 1.1 | 0.3 | 0.4 | 0.7 |
| Clear_Sky | 50 | 35 | 95 | BLACK_TOP | -40 | 0.15 | 0.25 | 0.40 | 0.5 | 0.9 | 1.4 | 0.3 | 0.6 | 0.9 |
| Clear_Sky | 50 | 35 | 95 | BLACK_TOP | -30 | 0.20 | 0.30 | 0.45 | 0.7 | 1.1 | 1.6 | 0.4 | 0.7 | 1.0 |
| Clear_Sky | 50 | 35 | 95 | BLACK_TOP | -20 | 0.30 | 0.40 | 0.60 | 1.1 | 1.4 | 2.2 | 0.7 | 0.9 | 1.3 |
| Clear_Sky | 50 | 35 | 95 | BLACK_TOP | -15 | 0.35 | 0.45 | 0.65 | 1.3 | 1.6 | 2.3 | 0.8 | 1.0 | 1.5 |
| Clear_Sky | 50 | 35 | 95 | BLACK_TOP | -10 | 0.40 | 0.55 | 0.75 | 1.4 | 2.0 | 2.7 | 0.9 | 1.2 | 1.7 |
| Clear_Sky | 50 | 35 | 95 | BLACK_TOP | -5 | 0.50 | 0.65 | 0.85 | 1.8 | 2.3 | 3.1 | 1.1 | 1.5 | 1.9 |
| Clear_Sky | 50 | 35 | 95 | BLACK_TOP | 0 | 0.60 | 0.75 | 0.95 | 2.2 | 2.7 | 3.4 | 1.3 | 1.7 | 2.1 |
| Clear_Sky | 50 | 35 | 95 | BLACK_TOP | 5 | 0.25 | 0.35 | 0.50 | 0.9 | 1.3 | 1.8 | 0.6 | 0.8 | 1.1 |
| Clear_Sky | 50 | 35 | 95 | BLACK_TOP | 10 | 0.15 | 0.20 | 0.30 | 0.5 | 0.7 | 1.1 | 0.3 | 0.4 | 0.7 |
| Clear_Sky | 50 | 35 | 95 | BLACK_TOP | 15 | 0.10 | 0.15 | 0.20 | 0.4 | 0.5 | 0.7 | 0.2 | 0.3 | 0.4 |
| Clear_Sky | 50 | 35 | 95 | BLACK_TOP | 20 | 0.05 | 0.10 | 0.15 | 0.2 | 0.4 | 0.5 | 0.1 | 0.2 | 0.3 |
| Clear_Sky | 50 | 35 | 95 | BLACK_TOP | 30 | 0.05 | 0.05 | 0.10 | 0.2 | 0.2 | 0.4 | 0.1 | 0.1 | 0.2 |
| Clear_Sky | 50 | 35 | 95 | BLACK_TOP | 40 | 0.00 | 0.05 | 0.05 | 0.0 | 0.2 | 0.2 | 0.0 | 0.1 | 0.1 |
| Clear_Sky | 50 | 35 | 95 | BLACK_TOP | 50 | 0.00 | 0.00 | 0.05 | 0.0 | 0.0 | 0.2 | 0.0 | 0.0 | 0.1 |
| Clear_Sky | 50 | 35 | 95 | DIRT_ROAD | -50 | 0.15 | 0.20 | 0.30 | 0.5 | 0.7 | 1.1 | 0.3 | 0.4 | 0.7 |
| Clear_Sky | 50 | 35 | 95 | DIRT_ROAD | -40 | 0.15 | 0.25 | 0.35 | 0.5 | 0.9 | 1.3 | 0.3 | 0.6 | 0.8 |
| Clear_Sky | 50 | 35 | 95 | DIRT_ROAD | -30 | 0.20 | 0.30 | 0.45 | 0.7 | 1.1 | 1.6 | 0.4 | 0.7 | 1.0 |
| Clear_Sky | 50 | 35 | 95 | DIRT_ROAD | -20 | 0.30 | 0.35 | 0.55 | 1.1 | 1.3 | 2.0 | 0.7 | 0.8 | 1.2 |
| Clear_Sky | 50 | 35 | 95 | DIRT_ROAD | -15 | 0.35 | 0.45 | 0.60 | 1.3 | 1.6 | 2.2 | 0.8 | 1.0 | 1.3 |
| Clear_Sky | 50 | 35 | 95 | DIRT_ROAD | -10 | 0.40 | 0.50 | 0.70 | 1.4 | 1.8 | 2.5 | 0.9 | 1.1 | 1.6 |
| Clear_Sky | 50 | 35 | 95 | DIRT_ROAD | -5 | 0.50 | 0.60 | 0.80 | 1.8 | 2.2 | 2.9 | 1.1 | 1.3 | 1.8 |
| Clear_Sky | 50 | 35 | 95 | DIRT_ROAD | 0 | 0.60 | 0.70 | 0.90 | 2.2 | 2.5 | 3.2 | 1.3 | 1.6 | 2.0 |
| Clear_Sky | 50 | 35 | 95 | DIRT_ROAD | 5 | 0.25 | 0.30 | 0.50 | 0.9 | 1.1 | 1.8 | 0.6 | 0.7 | 1.1 |
| Clear_Sky | 50 | 35 | 95 | DIRT_ROAD | 10 | 0.15 | 0.20 | 0.30 | 0.5 | 0.7 | 1.1 | 0.3 | 0.4 | 0.7 |
| Clear_Sky | 50 | 35 | 95 | DIRT_ROAD | 15 | 0.10 | 0.10 | 0.20 | 0.4 | 0.4 | 0.7 | 0.2 | 0.2 | 0.4 |
| Clear_Sky | 50 | 35 | 95 | DIRT_ROAD | 20 | 0.05 | 0.10 | 0.15 | 0.2 | 0.4 | 0.5 | 0.1 | 0.2 | 0.3 |
| Clear_Sky | 50 | 35 | 95 | DIRT_ROAD | 30 | 0.05 | 0.05 | 0.10 | 0.2 | 0.2 | 0.4 | 0.1 | 0.1 | 0.2 |
| Clear_Sky | 50 | 35 | 95 | DIRT_ROAD | 40 | 0.00 | 0.05 | 0.05 | 0.0 | 0.2 | 0.2 | 0.0 | 0.1 | 0.1 |
| Clear_Sky | 50 | 35 | 95 | DIRT_ROAD | 50 | 0.00 | 0.00 | 0.05 | 0.0 | 0.0 | 0.2 | 0.0 | 0.0 | 0.1 |
| Clear_Sky | 50 | 35 | 95 | LOOSE_SAND | -50 | 0.05 | 0.10 | 0.15 | 0.2 | 0.4 | 0.5 | 0.1 | 0.2 | 0.3 |
| Clear_Sky | 50 | 35 | 95 | LOOSE_SAND | -40 | 0.05 | 0.10 | 0.20 | 0.2 | 0.4 | 0.7 | 0.1 | 0.2 | 0.4 |
| Clear_Sky | 50 | 35 | 95 | LOOSE_SAND | -30 | 0.10 | 0.15 | 0.25 | 0.4 | 0.5 | 0.9 | 0.2 | 0.3 | 0.6 |
| Clear_Sky | 50 | 35 | 95 | LOOSE_SAND | -20 | 0.15 | 0.20 | 0.30 | 0.5 | 0.7 | 1.1 | 0.3 | 0.4 | 0.7 |
| Clear_Sky | 50 | 35 | 95 | LOOSE_SAND | -15 | 0.20 | 0.25 | 0.40 | 0.7 | 0.9 | 1.4 | 0.4 | 0.6 | 0.9 |
| Clear_Sky | 50 | 35 | 95 | LOOSE_SAND | -10 | 0.25 | 0.30 | 0.45 | 0.9 | 1.1 | 1.6 | 0.6 | 0.7 | 1.0 |
| Clear_Sky | 50 | 35 | 95 | LOOSE_SAND | -5 | 0.30 | 0.40 | 0.55 | 1.1 | 1.4 | 2.0 | 0.7 | 0.9 | 1.2 |
| Clear_Sky | 50 | 35 | 95 | LOOSE_SAND | 0 | 0.40 | 0.50 | 0.65 | 1.4 | 1.8 | 2.3 | 0.9 | 1.1 | 1.5 |
| Clear_Sky | 50 | 35 | 95 | LOOSE_SAND | 5 | 0.10 | 0.20 | 0.30 | 0.4 | 0.7 | 1.1 | 0.2 | 0.4 | 0.7 |
| Clear_Sky | 50 | 35 | 95 | LOOSE_SAND | 10 | 0.05 | 0.10 | 0.15 | 0.2 | 0.4 | 0.5 | 0.1 | 0.2 | 0.3 |
| Clear_Sky | 50 | 35 | 95 | LOOSE_SAND | 15 | 0.05 | 0.05 | 0.10 | 0.2 | 0.2 | 0.4 | 0.1 | 0.1 | 0.2 |
| Clear_Sky | 50 | 35 | 95 | LOOSE_SAND | 20 | 0.00 | 0.05 | 0.05 | 0.0 | 0.2 | 0.2 | 0.0 | 0.1 | 0.1 |
| Clear_Sky | 50 | 35 | 95 | LOOSE_SAND | 30 | 0.00 | 0.00 | 0.05 | 0.0 | 0.0 | 0.2 | 0.0 | 0.0 | 0.1 |
| Clear_Sky | 50 | 35 | 95 | LOOSE_SAND | 40 | 0.00 | 0.00 | 0.00 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Clear_Sky | 50 | 35 | 95 | LOOSE_SAND | 50 | 0.00 | 0.00 | 0.00 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

Table D-22. Maximum Sustainable Speed, Clear Sky, 75% Humidity, 5°C (41°F)

| Cloud Cover | RH (%) | °C | °F | Terrain Type | Grade (%) | Max Sustainable Speed (meters/second) | | | Max Sustainable Speed (kilometers/hour) | | | Max Sustainable Speed (miles/hour) | | |
|-------------|--------|----|----|--------------|-----------|---------------------------------------|------|------|---|-----|------|------------------------------------|-----|------|
| | | | | | | Risk Level | | | Risk Level | | | Risk Level | | |
| | | | | | | Low | Mod | High | Low | Mod | High | Low | Mod | High |
| Clear_Sky | 75 | 5 | 41 | BLACK_TOP | -50 | 0.95 | 1.20 | 1.50 | 3.4 | 4.3 | 5.4 | 2.1 | 2.7 | 3.4 |
| Clear_Sky | 75 | 5 | 41 | BLACK_TOP | -40 | 1.10 | 1.35 | 1.65 | 4.0 | 4.9 | 5.9 | 2.5 | 3.0 | 3.7 |
| Clear_Sky | 75 | 5 | 41 | BLACK_TOP | -30 | 1.20 | 1.50 | 1.80 | 4.3 | 5.4 | 6.5 | 2.7 | 3.4 | 4.0 |
| Clear_Sky | 75 | 5 | 41 | BLACK_TOP | -20 | 1.40 | 1.65 | 2.00 | 5.0 | 5.9 | 7.2 | 3.1 | 3.7 | 4.5 |
| Clear_Sky | 75 | 5 | 41 | BLACK_TOP | -15 | 1.45 | 1.75 | 2.10 | 5.2 | 6.3 | 7.6 | 3.2 | 3.9 | 4.7 |
| Clear_Sky | 75 | 5 | 41 | BLACK_TOP | -10 | 1.55 | 1.85 | 2.20 | 5.6 | 6.7 | 7.9 | 3.5 | 4.1 | 4.9 |
| Clear_Sky | 75 | 5 | 41 | BLACK_TOP | -5 | 1.70 | 1.95 | 2.30 | 6.1 | 7.0 | 8.3 | 3.8 | 4.4 | 5.2 |
| Clear_Sky | 75 | 5 | 41 | BLACK_TOP | 0 | 1.80 | 2.05 | 2.40 | 6.5 | 7.4 | 8.6 | 4.0 | 4.6 | 5.4 |
| Clear_Sky | 75 | 5 | 41 | BLACK_TOP | 5 | 1.30 | 1.55 | 1.90 | 4.7 | 5.6 | 6.8 | 2.9 | 3.5 | 4.3 |
| Clear_Sky | 75 | 5 | 41 | BLACK_TOP | 10 | 0.95 | 1.20 | 1.50 | 3.4 | 4.3 | 5.4 | 2.1 | 2.7 | 3.4 |
| Clear_Sky | 75 | 5 | 41 | BLACK_TOP | 15 | 0.75 | 0.95 | 1.25 | 2.7 | 3.4 | 4.5 | 1.7 | 2.1 | 2.8 |
| Clear_Sky | 75 | 5 | 41 | BLACK_TOP | 20 | 0.60 | 0.75 | 1.00 | 2.2 | 2.7 | 3.6 | 1.3 | 1.7 | 2.2 |
| Clear_Sky | 75 | 5 | 41 | BLACK_TOP | 30 | 0.40 | 0.55 | 0.75 | 1.4 | 2.0 | 2.7 | 0.9 | 1.2 | 1.7 |
| Clear_Sky | 75 | 5 | 41 | BLACK_TOP | 40 | 0.30 | 0.40 | 0.60 | 1.1 | 1.4 | 2.2 | 0.7 | 0.9 | 1.3 |
| Clear_Sky | 75 | 5 | 41 | BLACK_TOP | 50 | 0.25 | 0.35 | 0.45 | 0.9 | 1.3 | 1.6 | 0.6 | 0.8 | 1.0 |
| Clear_Sky | 75 | 5 | 41 | DIRT_ROAD | -50 | 0.90 | 1.10 | 1.40 | 3.2 | 4.0 | 5.0 | 2.0 | 2.5 | 3.1 |
| Clear_Sky | 75 | 5 | 41 | DIRT_ROAD | -40 | 1.00 | 1.25 | 1.55 | 3.6 | 4.5 | 5.6 | 2.2 | 2.8 | 3.5 |
| Clear_Sky | 75 | 5 | 41 | DIRT_ROAD | -30 | 1.15 | 1.40 | 1.70 | 4.1 | 5.0 | 6.1 | 2.6 | 3.1 | 3.8 |
| Clear_Sky | 75 | 5 | 41 | DIRT_ROAD | -20 | 1.30 | 1.55 | 1.90 | 4.7 | 5.6 | 6.8 | 2.9 | 3.5 | 4.3 |
| Clear_Sky | 75 | 5 | 41 | DIRT_ROAD | -15 | 1.40 | 1.65 | 2.00 | 5.0 | 5.9 | 7.2 | 3.1 | 3.7 | 4.5 |
| Clear_Sky | 75 | 5 | 41 | DIRT_ROAD | -10 | 1.50 | 1.75 | 2.10 | 5.4 | 6.3 | 7.6 | 3.4 | 3.9 | 4.7 |
| Clear_Sky | 75 | 5 | 41 | DIRT_ROAD | -5 | 1.60 | 1.85 | 2.20 | 5.8 | 6.7 | 7.9 | 3.6 | 4.1 | 4.9 |
| Clear_Sky | 75 | 5 | 41 | DIRT_ROAD | 0 | 1.70 | 1.95 | 2.30 | 6.1 | 7.0 | 8.3 | 3.8 | 4.4 | 5.2 |
| Clear_Sky | 75 | 5 | 41 | DIRT_ROAD | 5 | 1.20 | 1.45 | 1.80 | 4.3 | 5.2 | 6.5 | 2.7 | 3.2 | 4.0 |
| Clear_Sky | 75 | 5 | 41 | DIRT_ROAD | 10 | 0.90 | 1.10 | 1.40 | 3.2 | 4.0 | 5.0 | 2.0 | 2.5 | 3.1 |
| Clear_Sky | 75 | 5 | 41 | DIRT_ROAD | 15 | 0.70 | 0.90 | 1.15 | 2.5 | 3.2 | 4.1 | 1.6 | 2.0 | 2.6 |
| Clear_Sky | 75 | 5 | 41 | DIRT_ROAD | 20 | 0.55 | 0.70 | 0.95 | 2.0 | 2.5 | 3.4 | 1.2 | 1.6 | 2.1 |
| Clear_Sky | 75 | 5 | 41 | DIRT_ROAD | 30 | 0.40 | 0.50 | 0.70 | 1.4 | 1.8 | 2.5 | 0.9 | 1.1 | 1.6 |
| Clear_Sky | 75 | 5 | 41 | DIRT_ROAD | 40 | 0.30 | 0.40 | 0.55 | 1.1 | 1.4 | 2.0 | 0.7 | 0.9 | 1.2 |
| Clear_Sky | 75 | 5 | 41 | DIRT_ROAD | 50 | 0.25 | 0.30 | 0.40 | 0.9 | 1.1 | 1.4 | 0.6 | 0.7 | 0.9 |
| Clear_Sky | 75 | 5 | 41 | LOOSE_SAND | -50 | 0.50 | 0.65 | 0.85 | 1.8 | 2.3 | 3.1 | 1.1 | 1.5 | 1.9 |
| Clear_Sky | 75 | 5 | 41 | LOOSE_SAND | -40 | 0.60 | 0.75 | 0.95 | 2.2 | 2.7 | 3.4 | 1.3 | 1.7 | 2.1 |
| Clear_Sky | 75 | 5 | 41 | LOOSE_SAND | -30 | 0.70 | 0.90 | 1.10 | 2.5 | 3.2 | 4.0 | 1.6 | 2.0 | 2.5 |
| Clear_Sky | 75 | 5 | 41 | LOOSE_SAND | -20 | 0.85 | 1.00 | 1.25 | 3.1 | 3.6 | 4.5 | 1.9 | 2.2 | 2.8 |
| Clear_Sky | 75 | 5 | 41 | LOOSE_SAND | -15 | 0.90 | 1.10 | 1.35 | 3.2 | 4.0 | 4.9 | 2.0 | 2.5 | 3.0 |
| Clear_Sky | 75 | 5 | 41 | LOOSE_SAND | -10 | 1.00 | 1.20 | 1.45 | 3.6 | 4.3 | 5.2 | 2.2 | 2.7 | 3.2 |
| Clear_Sky | 75 | 5 | 41 | LOOSE_SAND | -5 | 1.10 | 1.30 | 1.55 | 4.0 | 4.7 | 5.6 | 2.5 | 2.9 | 3.5 |
| Clear_Sky | 75 | 5 | 41 | LOOSE_SAND | 0 | 1.25 | 1.40 | 1.65 | 4.5 | 5.0 | 5.9 | 2.8 | 3.1 | 3.7 |
| Clear_Sky | 75 | 5 | 41 | LOOSE_SAND | 5 | 0.75 | 0.95 | 1.20 | 2.7 | 3.4 | 4.3 | 1.7 | 2.1 | 2.7 |
| Clear_Sky | 75 | 5 | 41 | LOOSE_SAND | 10 | 0.50 | 0.65 | 0.85 | 1.8 | 2.3 | 3.1 | 1.1 | 1.5 | 1.9 |
| Clear_Sky | 75 | 5 | 41 | LOOSE_SAND | 15 | 0.40 | 0.50 | 0.65 | 1.4 | 1.8 | 2.3 | 0.9 | 1.1 | 1.5 |
| Clear_Sky | 75 | 5 | 41 | LOOSE_SAND | 20 | 0.30 | 0.40 | 0.50 | 1.1 | 1.4 | 1.8 | 0.7 | 0.9 | 1.1 |
| Clear_Sky | 75 | 5 | 41 | LOOSE_SAND | 30 | 0.20 | 0.25 | 0.35 | 0.7 | 0.9 | 1.3 | 0.4 | 0.6 | 0.8 |
| Clear_Sky | 75 | 5 | 41 | LOOSE_SAND | 40 | 0.15 | 0.20 | 0.25 | 0.5 | 0.7 | 0.9 | 0.3 | 0.4 | 0.6 |
| Clear_Sky | 75 | 5 | 41 | LOOSE_SAND | 50 | 0.10 | 0.15 | 0.20 | 0.4 | 0.5 | 0.7 | 0.2 | 0.3 | 0.4 |

Table D-23. Maximum Sustainable Speed, Clear Sky, 75% Humidity, 10°C (50°F)

| Cloud Cover | RH (%) | °C | °F | Terrain Type | Grade (%) | Max Sustainable Speed (meters/second) | | | Max Sustainable Speed (kilometers/hour) | | | Max Sustainable Speed (miles/hour) | | |
|-------------|--------|----|----|--------------|-----------|---------------------------------------|------|------|---|-----|------|------------------------------------|-----|------|
| | | | | | | Risk Level | | | Risk Level | | | Risk Level | | |
| | | | | | | Low | Mod | High | Low | Mod | High | Low | Mod | High |
| Clear_Sky | 75 | 10 | 50 | BLACK_TOP | -50 | 0.85 | 1.10 | 1.35 | 3.1 | 4.0 | 4.9 | 1.9 | 2.5 | 3.0 |
| Clear_Sky | 75 | 10 | 50 | BLACK_TOP | -40 | 1.00 | 1.25 | 1.50 | 3.6 | 4.5 | 5.4 | 2.2 | 2.8 | 3.4 |
| Clear_Sky | 75 | 10 | 50 | BLACK_TOP | -30 | 1.10 | 1.40 | 1.65 | 4.0 | 5.0 | 5.9 | 2.5 | 3.1 | 3.7 |
| Clear_Sky | 75 | 10 | 50 | BLACK_TOP | -20 | 1.25 | 1.55 | 1.80 | 4.5 | 5.6 | 6.5 | 2.8 | 3.5 | 4.0 |
| Clear_Sky | 75 | 10 | 50 | BLACK_TOP | -15 | 1.35 | 1.65 | 1.90 | 4.9 | 5.9 | 6.8 | 3.0 | 3.7 | 4.3 |
| Clear_Sky | 75 | 10 | 50 | BLACK_TOP | -10 | 1.45 | 1.75 | 2.00 | 5.2 | 6.3 | 7.2 | 3.2 | 3.9 | 4.5 |
| Clear_Sky | 75 | 10 | 50 | BLACK_TOP | -5 | 1.55 | 1.85 | 2.10 | 5.6 | 6.7 | 7.6 | 3.5 | 4.1 | 4.7 |
| Clear_Sky | 75 | 10 | 50 | BLACK_TOP | 0 | 1.70 | 1.95 | 2.25 | 6.1 | 7.0 | 8.1 | 3.8 | 4.4 | 5.0 |
| Clear_Sky | 75 | 10 | 50 | BLACK_TOP | 5 | 1.20 | 1.45 | 1.75 | 4.3 | 5.2 | 6.3 | 2.7 | 3.2 | 3.9 |
| Clear_Sky | 75 | 10 | 50 | BLACK_TOP | 10 | 0.85 | 1.10 | 1.35 | 3.1 | 4.0 | 4.9 | 1.9 | 2.5 | 3.0 |
| Clear_Sky | 75 | 10 | 50 | BLACK_TOP | 15 | 0.65 | 0.85 | 1.10 | 2.3 | 3.1 | 4.0 | 1.5 | 1.9 | 2.5 |
| Clear_Sky | 75 | 10 | 50 | BLACK_TOP | 20 | 0.55 | 0.70 | 0.90 | 2.0 | 2.5 | 3.2 | 1.2 | 1.6 | 2.0 |
| Clear_Sky | 75 | 10 | 50 | BLACK_TOP | 30 | 0.35 | 0.50 | 0.65 | 1.3 | 1.8 | 2.3 | 0.8 | 1.1 | 1.5 |
| Clear_Sky | 75 | 10 | 50 | BLACK_TOP | 40 | 0.30 | 0.40 | 0.50 | 1.1 | 1.4 | 1.8 | 0.7 | 0.9 | 1.1 |
| Clear_Sky | 75 | 10 | 50 | BLACK_TOP | 50 | 0.20 | 0.30 | 0.40 | 0.7 | 1.1 | 1.4 | 0.4 | 0.7 | 0.9 |
| Clear_Sky | 75 | 10 | 50 | DIRT_ROAD | -50 | 0.80 | 1.05 | 1.25 | 2.9 | 3.8 | 4.5 | 1.8 | 2.4 | 2.8 |
| Clear_Sky | 75 | 10 | 50 | DIRT_ROAD | -40 | 0.90 | 1.15 | 1.40 | 3.2 | 4.1 | 5.0 | 2.0 | 2.6 | 3.1 |
| Clear_Sky | 75 | 10 | 50 | DIRT_ROAD | -30 | 1.05 | 1.30 | 1.55 | 3.8 | 4.7 | 5.6 | 2.4 | 2.9 | 3.5 |
| Clear_Sky | 75 | 10 | 50 | DIRT_ROAD | -20 | 1.20 | 1.45 | 1.70 | 4.3 | 5.2 | 6.1 | 2.7 | 3.2 | 3.8 |
| Clear_Sky | 75 | 10 | 50 | DIRT_ROAD | -15 | 1.30 | 1.55 | 1.80 | 4.7 | 5.6 | 6.5 | 2.9 | 3.5 | 4.0 |
| Clear_Sky | 75 | 10 | 50 | DIRT_ROAD | -10 | 1.40 | 1.65 | 1.90 | 5.0 | 5.9 | 6.8 | 3.1 | 3.7 | 4.3 |
| Clear_Sky | 75 | 10 | 50 | DIRT_ROAD | -5 | 1.50 | 1.75 | 2.00 | 5.4 | 6.3 | 7.2 | 3.4 | 3.9 | 4.5 |
| Clear_Sky | 75 | 10 | 50 | DIRT_ROAD | 0 | 1.60 | 1.85 | 2.15 | 5.8 | 6.7 | 7.7 | 3.6 | 4.1 | 4.8 |
| Clear_Sky | 75 | 10 | 50 | DIRT_ROAD | 5 | 1.10 | 1.35 | 1.65 | 4.0 | 4.9 | 5.9 | 2.5 | 3.0 | 3.7 |
| Clear_Sky | 75 | 10 | 50 | DIRT_ROAD | 10 | 0.80 | 1.05 | 1.25 | 2.9 | 3.8 | 4.5 | 1.8 | 2.4 | 2.8 |
| Clear_Sky | 75 | 10 | 50 | DIRT_ROAD | 15 | 0.60 | 0.80 | 1.00 | 2.2 | 2.9 | 3.6 | 1.3 | 1.8 | 2.2 |
| Clear_Sky | 75 | 10 | 50 | DIRT_ROAD | 20 | 0.50 | 0.65 | 0.80 | 1.8 | 2.3 | 2.9 | 1.1 | 1.5 | 1.8 |
| Clear_Sky | 75 | 10 | 50 | DIRT_ROAD | 30 | 0.35 | 0.45 | 0.60 | 1.3 | 1.6 | 2.2 | 0.8 | 1.0 | 1.3 |
| Clear_Sky | 75 | 10 | 50 | DIRT_ROAD | 40 | 0.25 | 0.35 | 0.45 | 0.9 | 1.3 | 1.6 | 0.6 | 0.8 | 1.0 |
| Clear_Sky | 75 | 10 | 50 | DIRT_ROAD | 50 | 0.20 | 0.25 | 0.35 | 0.7 | 0.9 | 1.3 | 0.4 | 0.6 | 0.8 |
| Clear_Sky | 75 | 10 | 50 | LOOSE_SAND | -50 | 0.45 | 0.60 | 0.75 | 1.6 | 2.2 | 2.7 | 1.0 | 1.3 | 1.7 |
| Clear_Sky | 75 | 10 | 50 | LOOSE_SAND | -40 | 0.55 | 0.70 | 0.85 | 2.0 | 2.5 | 3.1 | 1.2 | 1.6 | 1.9 |
| Clear_Sky | 75 | 10 | 50 | LOOSE_SAND | -30 | 0.65 | 0.80 | 1.00 | 2.3 | 2.9 | 3.6 | 1.5 | 1.8 | 2.2 |
| Clear_Sky | 75 | 10 | 50 | LOOSE_SAND | -20 | 0.75 | 0.95 | 1.15 | 2.7 | 3.4 | 4.1 | 1.7 | 2.1 | 2.6 |
| Clear_Sky | 75 | 10 | 50 | LOOSE_SAND | -15 | 0.85 | 1.05 | 1.25 | 3.1 | 3.8 | 4.5 | 1.9 | 2.4 | 2.8 |
| Clear_Sky | 75 | 10 | 50 | LOOSE_SAND | -10 | 0.95 | 1.15 | 1.30 | 3.4 | 4.1 | 4.7 | 2.1 | 2.6 | 2.9 |
| Clear_Sky | 75 | 10 | 50 | LOOSE_SAND | -5 | 1.05 | 1.25 | 1.40 | 3.8 | 4.5 | 5.0 | 2.4 | 2.8 | 3.1 |
| Clear_Sky | 75 | 10 | 50 | LOOSE_SAND | 0 | 1.15 | 1.35 | 1.55 | 4.1 | 4.9 | 5.6 | 2.6 | 3.0 | 3.5 |
| Clear_Sky | 75 | 10 | 50 | LOOSE_SAND | 5 | 0.70 | 0.90 | 1.05 | 2.5 | 3.2 | 3.8 | 1.6 | 2.0 | 2.4 |
| Clear_Sky | 75 | 10 | 50 | LOOSE_SAND | 10 | 0.45 | 0.60 | 0.75 | 1.6 | 2.2 | 2.7 | 1.0 | 1.3 | 1.7 |
| Clear_Sky | 75 | 10 | 50 | LOOSE_SAND | 15 | 0.35 | 0.45 | 0.55 | 1.3 | 1.6 | 2.0 | 0.8 | 1.0 | 1.2 |
| Clear_Sky | 75 | 10 | 50 | LOOSE_SAND | 20 | 0.25 | 0.35 | 0.45 | 0.9 | 1.3 | 1.6 | 0.6 | 0.8 | 1.0 |
| Clear_Sky | 75 | 10 | 50 | LOOSE_SAND | 30 | 0.15 | 0.25 | 0.30 | 0.5 | 0.9 | 1.1 | 0.3 | 0.6 | 0.7 |
| Clear_Sky | 75 | 10 | 50 | LOOSE_SAND | 40 | 0.10 | 0.15 | 0.25 | 0.4 | 0.5 | 0.9 | 0.2 | 0.3 | 0.6 |
| Clear_Sky | 75 | 10 | 50 | LOOSE_SAND | 50 | 0.10 | 0.15 | 0.20 | 0.4 | 0.5 | 0.7 | 0.2 | 0.3 | 0.4 |

Table D-24. Maximum Sustainable Speed, Clear Sky, 75% Humidity, 15°C (59°F)

| Cloud Cover | RH (%) | °C | °F | Terrain Type | Grade (%) | Max Sustainable Speed (meters/second) | | | Max Sustainable Speed (kilometers/hour) | | | Max Sustainable Speed (miles/hour) | | |
|-------------|--------|----|----|--------------|-----------|---------------------------------------|------|------|---|-----|------|------------------------------------|-----|------|
| | | | | | | Risk Level | | | Risk Level | | | Risk Level | | |
| | | | | | | Low | Mod | High | Low | Mod | High | Low | Mod | High |
| Clear_Sky | 75 | 15 | 59 | BLACK_TOP | -50 | 0.80 | 1.00 | 1.15 | 2.9 | 3.6 | 4.1 | 1.8 | 2.2 | 2.6 |
| Clear_Sky | 75 | 15 | 59 | BLACK_TOP | -40 | 0.90 | 1.15 | 1.30 | 3.2 | 4.1 | 4.7 | 2.0 | 2.6 | 2.9 |
| Clear_Sky | 75 | 15 | 59 | BLACK_TOP | -30 | 1.00 | 1.25 | 1.45 | 3.6 | 4.5 | 5.2 | 2.2 | 2.8 | 3.2 |
| Clear_Sky | 75 | 15 | 59 | BLACK_TOP | -20 | 1.15 | 1.45 | 1.60 | 4.1 | 5.2 | 5.8 | 2.6 | 3.2 | 3.6 |
| Clear_Sky | 75 | 15 | 59 | BLACK_TOP | -15 | 1.25 | 1.55 | 1.70 | 4.5 | 5.6 | 6.1 | 2.8 | 3.5 | 3.8 |
| Clear_Sky | 75 | 15 | 59 | BLACK_TOP | -10 | 1.35 | 1.60 | 1.80 | 4.9 | 5.8 | 6.5 | 3.0 | 3.6 | 4.0 |
| Clear_Sky | 75 | 15 | 59 | BLACK_TOP | -5 | 1.45 | 1.75 | 1.90 | 5.2 | 6.3 | 6.8 | 3.2 | 3.9 | 4.3 |
| Clear_Sky | 75 | 15 | 59 | BLACK_TOP | 0 | 1.55 | 1.85 | 2.05 | 5.6 | 6.7 | 7.4 | 3.5 | 4.1 | 4.6 |
| Clear_Sky | 75 | 15 | 59 | BLACK_TOP | 5 | 1.10 | 1.35 | 1.50 | 4.0 | 4.9 | 5.4 | 2.5 | 3.0 | 3.4 |
| Clear_Sky | 75 | 15 | 59 | BLACK_TOP | 10 | 0.80 | 1.00 | 1.15 | 2.9 | 3.6 | 4.1 | 1.8 | 2.2 | 2.6 |
| Clear_Sky | 75 | 15 | 59 | BLACK_TOP | 15 | 0.60 | 0.80 | 0.90 | 2.2 | 2.9 | 3.2 | 1.3 | 1.8 | 2.0 |
| Clear_Sky | 75 | 15 | 59 | BLACK_TOP | 20 | 0.45 | 0.65 | 0.75 | 1.6 | 2.3 | 2.7 | 1.0 | 1.5 | 1.7 |
| Clear_Sky | 75 | 15 | 59 | BLACK_TOP | 30 | 0.30 | 0.45 | 0.55 | 1.1 | 1.6 | 2.0 | 0.7 | 1.0 | 1.2 |
| Clear_Sky | 75 | 15 | 59 | BLACK_TOP | 40 | 0.25 | 0.35 | 0.40 | 0.9 | 1.3 | 1.4 | 0.6 | 0.8 | 0.9 |
| Clear_Sky | 75 | 15 | 59 | BLACK_TOP | 50 | 0.20 | 0.25 | 0.35 | 0.7 | 0.9 | 1.3 | 0.4 | 0.6 | 0.8 |
| Clear_Sky | 75 | 15 | 59 | DIRT_ROAD | -50 | 0.70 | 0.95 | 1.10 | 2.5 | 3.4 | 4.0 | 1.6 | 2.1 | 2.5 |
| Clear_Sky | 75 | 15 | 59 | DIRT_ROAD | -40 | 0.80 | 1.05 | 1.20 | 2.9 | 3.8 | 4.3 | 1.8 | 2.4 | 2.7 |
| Clear_Sky | 75 | 15 | 59 | DIRT_ROAD | -30 | 0.95 | 1.20 | 1.35 | 3.4 | 4.3 | 4.9 | 2.1 | 2.7 | 3.0 |
| Clear_Sky | 75 | 15 | 59 | DIRT_ROAD | -20 | 1.10 | 1.35 | 1.50 | 4.0 | 4.9 | 5.4 | 2.5 | 3.0 | 3.4 |
| Clear_Sky | 75 | 15 | 59 | DIRT_ROAD | -15 | 1.20 | 1.45 | 1.60 | 4.3 | 5.2 | 5.8 | 2.7 | 3.2 | 3.6 |
| Clear_Sky | 75 | 15 | 59 | DIRT_ROAD | -10 | 1.25 | 1.55 | 1.70 | 4.5 | 5.6 | 6.1 | 2.8 | 3.5 | 3.8 |
| Clear_Sky | 75 | 15 | 59 | DIRT_ROAD | -5 | 1.35 | 1.65 | 1.80 | 4.9 | 5.9 | 6.5 | 3.0 | 3.7 | 4.0 |
| Clear_Sky | 75 | 15 | 59 | DIRT_ROAD | 0 | 1.50 | 1.75 | 1.95 | 5.4 | 6.3 | 7.0 | 3.4 | 3.9 | 4.4 |
| Clear_Sky | 75 | 15 | 59 | DIRT_ROAD | 5 | 1.00 | 1.25 | 1.45 | 3.6 | 4.5 | 5.2 | 2.2 | 2.8 | 3.2 |
| Clear_Sky | 75 | 15 | 59 | DIRT_ROAD | 10 | 0.70 | 0.95 | 1.10 | 2.5 | 3.4 | 4.0 | 1.6 | 2.1 | 2.5 |
| Clear_Sky | 75 | 15 | 59 | DIRT_ROAD | 15 | 0.55 | 0.70 | 0.85 | 2.0 | 2.5 | 3.1 | 1.2 | 1.6 | 1.9 |
| Clear_Sky | 75 | 15 | 59 | DIRT_ROAD | 20 | 0.40 | 0.60 | 0.70 | 1.4 | 2.2 | 2.5 | 0.9 | 1.3 | 1.6 |
| Clear_Sky | 75 | 15 | 59 | DIRT_ROAD | 30 | 0.30 | 0.40 | 0.50 | 1.1 | 1.4 | 1.8 | 0.7 | 0.9 | 1.1 |
| Clear_Sky | 75 | 15 | 59 | DIRT_ROAD | 40 | 0.20 | 0.30 | 0.35 | 0.7 | 1.1 | 1.3 | 0.4 | 0.7 | 0.8 |
| Clear_Sky | 75 | 15 | 59 | DIRT_ROAD | 50 | 0.15 | 0.25 | 0.30 | 0.5 | 0.9 | 1.1 | 0.3 | 0.6 | 0.7 |
| Clear_Sky | 75 | 15 | 59 | LOOSE_SAND | -50 | 0.40 | 0.55 | 0.65 | 1.4 | 2.0 | 2.3 | 0.9 | 1.2 | 1.5 |
| Clear_Sky | 75 | 15 | 59 | LOOSE_SAND | -40 | 0.50 | 0.65 | 0.75 | 1.8 | 2.3 | 2.7 | 1.1 | 1.5 | 1.7 |
| Clear_Sky | 75 | 15 | 59 | LOOSE_SAND | -30 | 0.55 | 0.75 | 0.85 | 2.0 | 2.7 | 3.1 | 1.2 | 1.7 | 1.9 |
| Clear_Sky | 75 | 15 | 59 | LOOSE_SAND | -20 | 0.70 | 0.90 | 1.00 | 2.5 | 3.2 | 3.6 | 1.6 | 2.0 | 2.2 |
| Clear_Sky | 75 | 15 | 59 | LOOSE_SAND | -15 | 0.75 | 0.95 | 1.10 | 2.7 | 3.4 | 4.0 | 1.7 | 2.1 | 2.5 |
| Clear_Sky | 75 | 15 | 59 | LOOSE_SAND | -10 | 0.85 | 1.05 | 1.20 | 3.1 | 3.8 | 4.3 | 1.9 | 2.4 | 2.7 |
| Clear_Sky | 75 | 15 | 59 | LOOSE_SAND | -5 | 0.95 | 1.15 | 1.30 | 3.4 | 4.1 | 4.7 | 2.1 | 2.6 | 2.9 |
| Clear_Sky | 75 | 15 | 59 | LOOSE_SAND | 0 | 1.05 | 1.25 | 1.40 | 3.8 | 4.5 | 5.0 | 2.4 | 2.8 | 3.1 |
| Clear_Sky | 75 | 15 | 59 | LOOSE_SAND | 5 | 0.65 | 0.80 | 0.90 | 2.3 | 2.9 | 3.2 | 1.5 | 1.8 | 2.0 |
| Clear_Sky | 75 | 15 | 59 | LOOSE_SAND | 10 | 0.40 | 0.55 | 0.65 | 1.4 | 2.0 | 2.3 | 0.9 | 1.2 | 1.5 |
| Clear_Sky | 75 | 15 | 59 | LOOSE_SAND | 15 | 0.30 | 0.40 | 0.50 | 1.1 | 1.4 | 1.8 | 0.7 | 0.9 | 1.1 |
| Clear_Sky | 75 | 15 | 59 | LOOSE_SAND | 20 | 0.20 | 0.30 | 0.35 | 0.7 | 1.1 | 1.3 | 0.4 | 0.7 | 0.8 |
| Clear_Sky | 75 | 15 | 59 | LOOSE_SAND | 30 | 0.15 | 0.20 | 0.25 | 0.5 | 0.7 | 0.9 | 0.3 | 0.4 | 0.6 |
| Clear_Sky | 75 | 15 | 59 | LOOSE_SAND | 40 | 0.10 | 0.15 | 0.20 | 0.4 | 0.5 | 0.7 | 0.2 | 0.3 | 0.4 |
| Clear_Sky | 75 | 15 | 59 | LOOSE_SAND | 50 | 0.10 | 0.10 | 0.15 | 0.4 | 0.4 | 0.5 | 0.2 | 0.2 | 0.3 |

Table D-25. Maximum Sustainable Speed, Clear Sky, 75% Humidity, 20°C (68°F)

| Cloud Cover | RH (%) | °C | °F | Terrain Type | Grade (%) | Max Sustainable Speed (meters/second) | | | Max Sustainable Speed (kilometers/hour) | | | Max Sustainable Speed (miles/hour) | | |
|-------------|--------|----|----|--------------|-----------|---------------------------------------|------|------|---|-----|------|------------------------------------|-----|------|
| | | | | | | Risk Level | | | Risk Level | | | Risk Level | | |
| | | | | | | Low | Mod | High | Low | Mod | High | Low | Mod | High |
| Clear_Sky | 75 | 20 | 68 | BLACK_TOP | -50 | 0.70 | 0.80 | 0.95 | 2.5 | 2.9 | 3.4 | 1.6 | 1.8 | 2.1 |
| Clear_Sky | 75 | 20 | 68 | BLACK_TOP | -40 | 0.80 | 0.95 | 1.05 | 2.9 | 3.4 | 3.8 | 1.8 | 2.1 | 2.4 |
| Clear_Sky | 75 | 20 | 68 | BLACK_TOP | -30 | 0.90 | 1.05 | 1.20 | 3.2 | 3.8 | 4.3 | 2.0 | 2.4 | 2.7 |
| Clear_Sky | 75 | 20 | 68 | BLACK_TOP | -20 | 1.05 | 1.20 | 1.35 | 3.8 | 4.3 | 4.9 | 2.4 | 2.7 | 3.0 |
| Clear_Sky | 75 | 20 | 68 | BLACK_TOP | -15 | 1.15 | 1.30 | 1.45 | 4.1 | 4.7 | 5.2 | 2.6 | 2.9 | 3.2 |
| Clear_Sky | 75 | 20 | 68 | BLACK_TOP | -10 | 1.20 | 1.40 | 1.55 | 4.3 | 5.0 | 5.6 | 2.7 | 3.1 | 3.5 |
| Clear_Sky | 75 | 20 | 68 | BLACK_TOP | -5 | 1.30 | 1.50 | 1.65 | 4.7 | 5.4 | 5.9 | 2.9 | 3.4 | 3.7 |
| Clear_Sky | 75 | 20 | 68 | BLACK_TOP | 0 | 1.45 | 1.60 | 1.80 | 5.2 | 5.8 | 6.5 | 3.2 | 3.6 | 4.0 |
| Clear_Sky | 75 | 20 | 68 | BLACK_TOP | 5 | 0.95 | 1.15 | 1.30 | 3.4 | 4.1 | 4.7 | 2.1 | 2.6 | 2.9 |
| Clear_Sky | 75 | 20 | 68 | BLACK_TOP | 10 | 0.70 | 0.80 | 0.95 | 2.5 | 2.9 | 3.4 | 1.6 | 1.8 | 2.1 |
| Clear_Sky | 75 | 20 | 68 | BLACK_TOP | 15 | 0.50 | 0.60 | 0.75 | 1.8 | 2.2 | 2.7 | 1.1 | 1.3 | 1.7 |
| Clear_Sky | 75 | 20 | 68 | BLACK_TOP | 20 | 0.40 | 0.50 | 0.60 | 1.4 | 1.8 | 2.2 | 0.9 | 1.1 | 1.3 |
| Clear_Sky | 75 | 20 | 68 | BLACK_TOP | 30 | 0.25 | 0.35 | 0.40 | 0.9 | 1.3 | 1.4 | 0.6 | 0.8 | 0.9 |
| Clear_Sky | 75 | 20 | 68 | BLACK_TOP | 40 | 0.20 | 0.25 | 0.30 | 0.7 | 0.9 | 1.1 | 0.4 | 0.6 | 0.7 |
| Clear_Sky | 75 | 20 | 68 | BLACK_TOP | 50 | 0.15 | 0.20 | 0.25 | 0.5 | 0.7 | 0.9 | 0.3 | 0.4 | 0.6 |
| Clear_Sky | 75 | 20 | 68 | DIRT_ROAD | -50 | 0.65 | 0.75 | 0.90 | 2.3 | 2.7 | 3.2 | 1.5 | 1.7 | 2.0 |
| Clear_Sky | 75 | 20 | 68 | DIRT_ROAD | -40 | 0.70 | 0.85 | 1.00 | 2.5 | 3.1 | 3.6 | 1.6 | 1.9 | 2.2 |
| Clear_Sky | 75 | 20 | 68 | DIRT_ROAD | -30 | 0.85 | 1.00 | 1.15 | 3.1 | 3.6 | 4.1 | 1.9 | 2.2 | 2.6 |
| Clear_Sky | 75 | 20 | 68 | DIRT_ROAD | -20 | 1.00 | 1.15 | 1.30 | 3.6 | 4.1 | 4.7 | 2.2 | 2.6 | 2.9 |
| Clear_Sky | 75 | 20 | 68 | DIRT_ROAD | -15 | 1.05 | 1.25 | 1.40 | 3.8 | 4.5 | 5.0 | 2.4 | 2.8 | 3.1 |
| Clear_Sky | 75 | 20 | 68 | DIRT_ROAD | -10 | 1.15 | 1.30 | 1.50 | 4.1 | 4.7 | 5.4 | 2.6 | 2.9 | 3.4 |
| Clear_Sky | 75 | 20 | 68 | DIRT_ROAD | -5 | 1.25 | 1.45 | 1.60 | 4.5 | 5.2 | 5.8 | 2.8 | 3.2 | 3.6 |
| Clear_Sky | 75 | 20 | 68 | DIRT_ROAD | 0 | 1.35 | 1.55 | 1.70 | 4.9 | 5.6 | 6.1 | 3.0 | 3.5 | 3.8 |
| Clear_Sky | 75 | 20 | 68 | DIRT_ROAD | 5 | 0.90 | 1.05 | 1.20 | 3.2 | 3.8 | 4.3 | 2.0 | 2.4 | 2.7 |
| Clear_Sky | 75 | 20 | 68 | DIRT_ROAD | 10 | 0.65 | 0.75 | 0.90 | 2.3 | 2.7 | 3.2 | 1.5 | 1.7 | 2.0 |
| Clear_Sky | 75 | 20 | 68 | DIRT_ROAD | 15 | 0.45 | 0.55 | 0.70 | 1.6 | 2.0 | 2.5 | 1.0 | 1.2 | 1.6 |
| Clear_Sky | 75 | 20 | 68 | DIRT_ROAD | 20 | 0.35 | 0.45 | 0.55 | 1.3 | 1.6 | 2.0 | 0.8 | 1.0 | 1.2 |
| Clear_Sky | 75 | 20 | 68 | DIRT_ROAD | 30 | 0.25 | 0.30 | 0.35 | 0.9 | 1.1 | 1.3 | 0.6 | 0.7 | 0.8 |
| Clear_Sky | 75 | 20 | 68 | DIRT_ROAD | 40 | 0.20 | 0.25 | 0.30 | 0.7 | 0.9 | 1.1 | 0.4 | 0.6 | 0.7 |
| Clear_Sky | 75 | 20 | 68 | DIRT_ROAD | 50 | 0.15 | 0.20 | 0.20 | 0.5 | 0.7 | 0.7 | 0.3 | 0.4 | 0.4 |
| Clear_Sky | 75 | 20 | 68 | LOOSE_SAND | -50 | 0.35 | 0.45 | 0.50 | 1.3 | 1.6 | 1.8 | 0.8 | 1.0 | 1.1 |
| Clear_Sky | 75 | 20 | 68 | LOOSE_SAND | -40 | 0.40 | 0.50 | 0.60 | 1.4 | 1.8 | 2.2 | 0.9 | 1.1 | 1.3 |
| Clear_Sky | 75 | 20 | 68 | LOOSE_SAND | -30 | 0.50 | 0.60 | 0.70 | 1.8 | 2.2 | 2.5 | 1.1 | 1.3 | 1.6 |
| Clear_Sky | 75 | 20 | 68 | LOOSE_SAND | -20 | 0.60 | 0.75 | 0.85 | 2.2 | 2.7 | 3.1 | 1.3 | 1.7 | 1.9 |
| Clear_Sky | 75 | 20 | 68 | LOOSE_SAND | -15 | 0.70 | 0.80 | 0.90 | 2.5 | 2.9 | 3.2 | 1.6 | 1.8 | 2.0 |
| Clear_Sky | 75 | 20 | 68 | LOOSE_SAND | -10 | 0.80 | 0.90 | 1.00 | 2.9 | 3.2 | 3.6 | 1.8 | 2.0 | 2.2 |
| Clear_Sky | 75 | 20 | 68 | LOOSE_SAND | -5 | 0.85 | 1.00 | 1.10 | 3.1 | 3.6 | 4.0 | 1.9 | 2.2 | 2.5 |
| Clear_Sky | 75 | 20 | 68 | LOOSE_SAND | 0 | 1.00 | 1.10 | 1.20 | 3.6 | 4.0 | 4.3 | 2.2 | 2.5 | 2.7 |
| Clear_Sky | 75 | 20 | 68 | LOOSE_SAND | 5 | 0.55 | 0.65 | 0.75 | 2.0 | 2.3 | 2.7 | 1.2 | 1.5 | 1.7 |
| Clear_Sky | 75 | 20 | 68 | LOOSE_SAND | 10 | 0.35 | 0.45 | 0.50 | 1.3 | 1.6 | 1.8 | 0.8 | 1.0 | 1.1 |
| Clear_Sky | 75 | 20 | 68 | LOOSE_SAND | 15 | 0.25 | 0.30 | 0.35 | 0.9 | 1.1 | 1.3 | 0.6 | 0.7 | 0.8 |
| Clear_Sky | 75 | 20 | 68 | LOOSE_SAND | 20 | 0.20 | 0.25 | 0.30 | 0.7 | 0.9 | 1.1 | 0.4 | 0.6 | 0.7 |
| Clear_Sky | 75 | 20 | 68 | LOOSE_SAND | 30 | 0.10 | 0.15 | 0.20 | 0.4 | 0.5 | 0.7 | 0.2 | 0.3 | 0.4 |
| Clear_Sky | 75 | 20 | 68 | LOOSE_SAND | 40 | 0.10 | 0.10 | 0.15 | 0.4 | 0.4 | 0.5 | 0.2 | 0.2 | 0.3 |
| Clear_Sky | 75 | 20 | 68 | LOOSE_SAND | 50 | 0.05 | 0.10 | 0.10 | 0.2 | 0.4 | 0.4 | 0.1 | 0.2 | 0.2 |

Table D-26. Maximum Sustainable Speed, Clear Sky, 75% Humidity, 25°C (77°F)

| Cloud Cover | RH (%) | °C | °F | Terrain Type | Grade (%) | Max Sustainable Speed (meters/second) | | | Max Sustainable Speed (kilometers/hour) | | | Max Sustainable Speed (miles/hour) | | |
|-------------|--------|----|----|--------------|-----------|---------------------------------------|------|------|---|-----|------|------------------------------------|-----|------|
| | | | | | | Risk Level | | | Risk Level | | | Risk Level | | |
| | | | | | | Low | Mod | High | Low | Mod | High | Low | Mod | High |
| Clear_Sky | 75 | 25 | 77 | BLACK_TOP | -50 | 0.50 | 0.60 | 0.70 | 1.8 | 2.2 | 2.5 | 1.1 | 1.3 | 1.6 |
| Clear_Sky | 75 | 25 | 77 | BLACK_TOP | -40 | 0.60 | 0.65 | 0.80 | 2.2 | 2.3 | 2.9 | 1.3 | 1.5 | 1.8 |
| Clear_Sky | 75 | 25 | 77 | BLACK_TOP | -30 | 0.70 | 0.80 | 0.90 | 2.5 | 2.9 | 3.2 | 1.6 | 1.8 | 2.0 |
| Clear_Sky | 75 | 25 | 77 | BLACK_TOP | -20 | 0.80 | 0.90 | 1.05 | 2.9 | 3.2 | 3.8 | 1.8 | 2.0 | 2.4 |
| Clear_Sky | 75 | 25 | 77 | BLACK_TOP | -15 | 0.90 | 1.00 | 1.15 | 3.2 | 3.6 | 4.1 | 2.0 | 2.2 | 2.6 |
| Clear_Sky | 75 | 25 | 77 | BLACK_TOP | -10 | 1.00 | 1.10 | 1.25 | 3.6 | 4.0 | 4.5 | 2.2 | 2.5 | 2.8 |
| Clear_Sky | 75 | 25 | 77 | BLACK_TOP | -5 | 1.10 | 1.20 | 1.35 | 4.0 | 4.3 | 4.9 | 2.5 | 2.7 | 3.0 |
| Clear_Sky | 75 | 25 | 77 | BLACK_TOP | 0 | 1.20 | 1.30 | 1.45 | 4.3 | 4.7 | 5.2 | 2.7 | 2.9 | 3.2 |
| Clear_Sky | 75 | 25 | 77 | BLACK_TOP | 5 | 0.75 | 0.85 | 1.00 | 2.7 | 3.1 | 3.6 | 1.7 | 1.9 | 2.2 |
| Clear_Sky | 75 | 25 | 77 | BLACK_TOP | 10 | 0.50 | 0.60 | 0.70 | 1.8 | 2.2 | 2.5 | 1.1 | 1.3 | 1.6 |
| Clear_Sky | 75 | 25 | 77 | BLACK_TOP | 15 | 0.35 | 0.45 | 0.50 | 1.3 | 1.6 | 1.8 | 0.8 | 1.0 | 1.1 |
| Clear_Sky | 75 | 25 | 77 | BLACK_TOP | 20 | 0.30 | 0.35 | 0.40 | 1.1 | 1.3 | 1.4 | 0.7 | 0.8 | 0.9 |
| Clear_Sky | 75 | 25 | 77 | BLACK_TOP | 30 | 0.20 | 0.20 | 0.30 | 0.7 | 0.7 | 1.1 | 0.4 | 0.4 | 0.7 |
| Clear_Sky | 75 | 25 | 77 | BLACK_TOP | 40 | 0.15 | 0.15 | 0.20 | 0.5 | 0.5 | 0.7 | 0.3 | 0.3 | 0.4 |
| Clear_Sky | 75 | 25 | 77 | BLACK_TOP | 50 | 0.10 | 0.15 | 0.15 | 0.4 | 0.5 | 0.5 | 0.2 | 0.3 | 0.3 |
| Clear_Sky | 75 | 25 | 77 | DIRT_ROAD | -50 | 0.45 | 0.55 | 0.65 | 1.6 | 2.0 | 2.3 | 1.0 | 1.2 | 1.5 |
| Clear_Sky | 75 | 25 | 77 | DIRT_ROAD | -40 | 0.55 | 0.60 | 0.75 | 2.0 | 2.2 | 2.7 | 1.2 | 1.3 | 1.7 |
| Clear_Sky | 75 | 25 | 77 | DIRT_ROAD | -30 | 0.65 | 0.75 | 0.85 | 2.3 | 2.7 | 3.1 | 1.5 | 1.7 | 1.9 |
| Clear_Sky | 75 | 25 | 77 | DIRT_ROAD | -20 | 0.75 | 0.85 | 1.00 | 2.7 | 3.1 | 3.6 | 1.7 | 1.9 | 2.2 |
| Clear_Sky | 75 | 25 | 77 | DIRT_ROAD | -15 | 0.85 | 0.95 | 1.10 | 3.1 | 3.4 | 4.0 | 1.9 | 2.1 | 2.5 |
| Clear_Sky | 75 | 25 | 77 | DIRT_ROAD | -10 | 0.95 | 1.05 | 1.20 | 3.4 | 3.8 | 4.3 | 2.1 | 2.4 | 2.7 |
| Clear_Sky | 75 | 25 | 77 | DIRT_ROAD | -5 | 1.05 | 1.15 | 1.30 | 3.8 | 4.1 | 4.7 | 2.4 | 2.6 | 2.9 |
| Clear_Sky | 75 | 25 | 77 | DIRT_ROAD | 0 | 1.15 | 1.25 | 1.40 | 4.1 | 4.5 | 5.0 | 2.6 | 2.8 | 3.1 |
| Clear_Sky | 75 | 25 | 77 | DIRT_ROAD | 5 | 0.70 | 0.80 | 0.95 | 2.5 | 2.9 | 3.4 | 1.6 | 1.8 | 2.1 |
| Clear_Sky | 75 | 25 | 77 | DIRT_ROAD | 10 | 0.45 | 0.55 | 0.65 | 1.6 | 2.0 | 2.3 | 1.0 | 1.2 | 1.5 |
| Clear_Sky | 75 | 25 | 77 | DIRT_ROAD | 15 | 0.35 | 0.40 | 0.50 | 1.3 | 1.4 | 1.8 | 0.8 | 0.9 | 1.1 |
| Clear_Sky | 75 | 25 | 77 | DIRT_ROAD | 20 | 0.25 | 0.30 | 0.35 | 0.9 | 1.1 | 1.3 | 0.6 | 0.7 | 0.8 |
| Clear_Sky | 75 | 25 | 77 | DIRT_ROAD | 30 | 0.15 | 0.20 | 0.25 | 0.5 | 0.7 | 0.9 | 0.3 | 0.4 | 0.6 |
| Clear_Sky | 75 | 25 | 77 | DIRT_ROAD | 40 | 0.10 | 0.15 | 0.20 | 0.4 | 0.5 | 0.7 | 0.2 | 0.3 | 0.4 |
| Clear_Sky | 75 | 25 | 77 | DIRT_ROAD | 50 | 0.10 | 0.10 | 0.15 | 0.4 | 0.4 | 0.5 | 0.2 | 0.2 | 0.3 |
| Clear_Sky | 75 | 25 | 77 | LOOSE_SAND | -50 | 0.25 | 0.30 | 0.35 | 0.9 | 1.1 | 1.3 | 0.6 | 0.7 | 0.8 |
| Clear_Sky | 75 | 25 | 77 | LOOSE_SAND | -40 | 0.30 | 0.35 | 0.45 | 1.1 | 1.3 | 1.6 | 0.7 | 0.8 | 1.0 |
| Clear_Sky | 75 | 25 | 77 | LOOSE_SAND | -30 | 0.35 | 0.45 | 0.50 | 1.3 | 1.6 | 1.8 | 0.8 | 1.0 | 1.1 |
| Clear_Sky | 75 | 25 | 77 | LOOSE_SAND | -20 | 0.50 | 0.55 | 0.65 | 1.8 | 2.0 | 2.3 | 1.1 | 1.2 | 1.5 |
| Clear_Sky | 75 | 25 | 77 | LOOSE_SAND | -15 | 0.55 | 0.60 | 0.70 | 2.0 | 2.2 | 2.5 | 1.2 | 1.3 | 1.6 |
| Clear_Sky | 75 | 25 | 77 | LOOSE_SAND | -10 | 0.60 | 0.70 | 0.80 | 2.2 | 2.5 | 2.9 | 1.3 | 1.6 | 1.8 |
| Clear_Sky | 75 | 25 | 77 | LOOSE_SAND | -5 | 0.70 | 0.80 | 0.90 | 2.5 | 2.9 | 3.2 | 1.6 | 1.8 | 2.0 |
| Clear_Sky | 75 | 25 | 77 | LOOSE_SAND | 0 | 0.80 | 0.90 | 1.00 | 2.9 | 3.2 | 3.6 | 1.8 | 2.0 | 2.2 |
| Clear_Sky | 75 | 25 | 77 | LOOSE_SAND | 5 | 0.40 | 0.50 | 0.55 | 1.4 | 1.8 | 2.0 | 0.9 | 1.1 | 1.2 |
| Clear_Sky | 75 | 25 | 77 | LOOSE_SAND | 10 | 0.25 | 0.30 | 0.35 | 0.9 | 1.1 | 1.3 | 0.6 | 0.7 | 0.8 |
| Clear_Sky | 75 | 25 | 77 | LOOSE_SAND | 15 | 0.15 | 0.20 | 0.25 | 0.5 | 0.7 | 0.9 | 0.3 | 0.4 | 0.6 |
| Clear_Sky | 75 | 25 | 77 | LOOSE_SAND | 20 | 0.10 | 0.15 | 0.20 | 0.4 | 0.5 | 0.7 | 0.2 | 0.3 | 0.4 |
| Clear_Sky | 75 | 25 | 77 | LOOSE_SAND | 30 | 0.10 | 0.10 | 0.10 | 0.4 | 0.4 | 0.4 | 0.2 | 0.2 | 0.2 |
| Clear_Sky | 75 | 25 | 77 | LOOSE_SAND | 40 | 0.05 | 0.05 | 0.10 | 0.2 | 0.2 | 0.4 | 0.1 | 0.1 | 0.2 |
| Clear_Sky | 75 | 25 | 77 | LOOSE_SAND | 50 | 0.05 | 0.05 | 0.05 | 0.2 | 0.2 | 0.2 | 0.1 | 0.1 | 0.1 |

Table D-27. Maximum Sustainable Speed, Clear Sky, 75% Humidity, 30°C (86°F)

| Cloud Cover | RH (%) | °C | °F | Terrain Type | Grade (%) | Max Sustainable Speed (meters/second) | | | Max Sustainable Speed (kilometers/hour) | | | Max Sustainable Speed (miles/hour) | | |
|-------------|--------|----|----|--------------|-----------|---------------------------------------|------|------|---|-----|------|------------------------------------|-----|------|
| | | | | | | Risk Level | | | Risk Level | | | Risk Level | | |
| | | | | | | Low | Mod | High | Low | Mod | High | Low | Mod | High |
| Clear_Sky | 75 | 30 | 86 | BLACK_TOP | -50 | 0.20 | 0.25 | 0.40 | 0.7 | 0.9 | 1.4 | 0.4 | 0.6 | 0.9 |
| Clear_Sky | 75 | 30 | 86 | BLACK_TOP | -40 | 0.25 | 0.30 | 0.45 | 0.9 | 1.1 | 1.6 | 0.6 | 0.7 | 1.0 |
| Clear_Sky | 75 | 30 | 86 | BLACK_TOP | -30 | 0.35 | 0.40 | 0.55 | 1.3 | 1.4 | 2.0 | 0.8 | 0.9 | 1.2 |
| Clear_Sky | 75 | 30 | 86 | BLACK_TOP | -20 | 0.40 | 0.50 | 0.65 | 1.4 | 1.8 | 2.3 | 0.9 | 1.1 | 1.5 |
| Clear_Sky | 75 | 30 | 86 | BLACK_TOP | -15 | 0.50 | 0.55 | 0.75 | 1.8 | 2.0 | 2.7 | 1.1 | 1.2 | 1.7 |
| Clear_Sky | 75 | 30 | 86 | BLACK_TOP | -10 | 0.55 | 0.65 | 0.85 | 2.0 | 2.3 | 3.1 | 1.2 | 1.5 | 1.9 |
| Clear_Sky | 75 | 30 | 86 | BLACK_TOP | -5 | 0.65 | 0.75 | 0.90 | 2.3 | 2.7 | 3.2 | 1.5 | 1.7 | 2.0 |
| Clear_Sky | 75 | 30 | 86 | BLACK_TOP | 0 | 0.75 | 0.85 | 1.05 | 2.7 | 3.1 | 3.8 | 1.7 | 1.9 | 2.4 |
| Clear_Sky | 75 | 30 | 86 | BLACK_TOP | 5 | 0.35 | 0.45 | 0.60 | 1.3 | 1.6 | 2.2 | 0.8 | 1.0 | 1.3 |
| Clear_Sky | 75 | 30 | 86 | BLACK_TOP | 10 | 0.20 | 0.25 | 0.40 | 0.7 | 0.9 | 1.4 | 0.4 | 0.6 | 0.9 |
| Clear_Sky | 75 | 30 | 86 | BLACK_TOP | 15 | 0.15 | 0.20 | 0.25 | 0.5 | 0.7 | 0.9 | 0.3 | 0.4 | 0.6 |
| Clear_Sky | 75 | 30 | 86 | BLACK_TOP | 20 | 0.10 | 0.15 | 0.20 | 0.4 | 0.5 | 0.7 | 0.2 | 0.3 | 0.4 |
| Clear_Sky | 75 | 30 | 86 | BLACK_TOP | 30 | 0.05 | 0.10 | 0.15 | 0.2 | 0.4 | 0.5 | 0.1 | 0.2 | 0.3 |
| Clear_Sky | 75 | 30 | 86 | BLACK_TOP | 40 | 0.05 | 0.05 | 0.10 | 0.2 | 0.2 | 0.4 | 0.1 | 0.1 | 0.2 |
| Clear_Sky | 75 | 30 | 86 | BLACK_TOP | 50 | 0.05 | 0.05 | 0.05 | 0.2 | 0.2 | 0.2 | 0.1 | 0.1 | 0.1 |
| Clear_Sky | 75 | 30 | 86 | DIRT_ROAD | -50 | 0.20 | 0.25 | 0.35 | 0.7 | 0.9 | 1.3 | 0.4 | 0.6 | 0.8 |
| Clear_Sky | 75 | 30 | 86 | DIRT_ROAD | -40 | 0.25 | 0.30 | 0.40 | 0.9 | 1.1 | 1.4 | 0.6 | 0.7 | 0.9 |
| Clear_Sky | 75 | 30 | 86 | DIRT_ROAD | -30 | 0.30 | 0.35 | 0.50 | 1.1 | 1.3 | 1.8 | 0.7 | 0.8 | 1.1 |
| Clear_Sky | 75 | 30 | 86 | DIRT_ROAD | -20 | 0.40 | 0.45 | 0.60 | 1.4 | 1.6 | 2.2 | 0.9 | 1.0 | 1.3 |
| Clear_Sky | 75 | 30 | 86 | DIRT_ROAD | -15 | 0.45 | 0.55 | 0.70 | 1.6 | 2.0 | 2.5 | 1.0 | 1.2 | 1.6 |
| Clear_Sky | 75 | 30 | 86 | DIRT_ROAD | -10 | 0.55 | 0.60 | 0.80 | 2.0 | 2.2 | 2.9 | 1.2 | 1.3 | 1.8 |
| Clear_Sky | 75 | 30 | 86 | DIRT_ROAD | -5 | 0.60 | 0.70 | 0.90 | 2.2 | 2.5 | 3.2 | 1.3 | 1.6 | 2.0 |
| Clear_Sky | 75 | 30 | 86 | DIRT_ROAD | 0 | 0.70 | 0.80 | 1.00 | 2.5 | 2.9 | 3.6 | 1.6 | 1.8 | 2.2 |
| Clear_Sky | 75 | 30 | 86 | DIRT_ROAD | 5 | 0.35 | 0.40 | 0.55 | 1.3 | 1.4 | 2.0 | 0.8 | 0.9 | 1.2 |
| Clear_Sky | 75 | 30 | 86 | DIRT_ROAD | 10 | 0.20 | 0.25 | 0.35 | 0.7 | 0.9 | 1.3 | 0.4 | 0.6 | 0.8 |
| Clear_Sky | 75 | 30 | 86 | DIRT_ROAD | 15 | 0.15 | 0.15 | 0.25 | 0.5 | 0.5 | 0.9 | 0.3 | 0.3 | 0.6 |
| Clear_Sky | 75 | 30 | 86 | DIRT_ROAD | 20 | 0.10 | 0.10 | 0.20 | 0.4 | 0.4 | 0.7 | 0.2 | 0.2 | 0.4 |
| Clear_Sky | 75 | 30 | 86 | DIRT_ROAD | 30 | 0.05 | 0.05 | 0.10 | 0.2 | 0.2 | 0.4 | 0.1 | 0.1 | 0.2 |
| Clear_Sky | 75 | 30 | 86 | DIRT_ROAD | 40 | 0.05 | 0.05 | 0.10 | 0.2 | 0.2 | 0.4 | 0.1 | 0.1 | 0.2 |
| Clear_Sky | 75 | 30 | 86 | DIRT_ROAD | 50 | 0.00 | 0.05 | 0.05 | 0.0 | 0.2 | 0.2 | 0.0 | 0.1 | 0.1 |
| Clear_Sky | 75 | 30 | 86 | LOOSE_SAND | -50 | 0.10 | 0.10 | 0.20 | 0.4 | 0.4 | 0.7 | 0.2 | 0.2 | 0.4 |
| Clear_Sky | 75 | 30 | 86 | LOOSE_SAND | -40 | 0.10 | 0.15 | 0.25 | 0.4 | 0.5 | 0.9 | 0.2 | 0.3 | 0.6 |
| Clear_Sky | 75 | 30 | 86 | LOOSE_SAND | -30 | 0.15 | 0.20 | 0.30 | 0.5 | 0.7 | 1.1 | 0.3 | 0.4 | 0.7 |
| Clear_Sky | 75 | 30 | 86 | LOOSE_SAND | -20 | 0.20 | 0.25 | 0.40 | 0.7 | 0.9 | 1.4 | 0.4 | 0.6 | 0.9 |
| Clear_Sky | 75 | 30 | 86 | LOOSE_SAND | -15 | 0.25 | 0.30 | 0.45 | 0.9 | 1.1 | 1.6 | 0.6 | 0.7 | 1.0 |
| Clear_Sky | 75 | 30 | 86 | LOOSE_SAND | -10 | 0.35 | 0.40 | 0.50 | 1.3 | 1.4 | 1.8 | 0.8 | 0.9 | 1.1 |
| Clear_Sky | 75 | 30 | 86 | LOOSE_SAND | -5 | 0.40 | 0.45 | 0.60 | 1.4 | 1.6 | 2.2 | 0.9 | 1.0 | 1.3 |
| Clear_Sky | 75 | 30 | 86 | LOOSE_SAND | 0 | 0.50 | 0.60 | 0.70 | 1.8 | 2.2 | 2.5 | 1.1 | 1.3 | 1.6 |
| Clear_Sky | 75 | 30 | 86 | LOOSE_SAND | 5 | 0.20 | 0.25 | 0.35 | 0.7 | 0.9 | 1.3 | 0.4 | 0.6 | 0.8 |
| Clear_Sky | 75 | 30 | 86 | LOOSE_SAND | 10 | 0.10 | 0.10 | 0.20 | 0.4 | 0.4 | 0.7 | 0.2 | 0.2 | 0.4 |
| Clear_Sky | 75 | 30 | 86 | LOOSE_SAND | 15 | 0.05 | 0.10 | 0.10 | 0.2 | 0.4 | 0.4 | 0.1 | 0.2 | 0.2 |
| Clear_Sky | 75 | 30 | 86 | LOOSE_SAND | 20 | 0.05 | 0.05 | 0.10 | 0.2 | 0.2 | 0.4 | 0.1 | 0.1 | 0.2 |
| Clear_Sky | 75 | 30 | 86 | LOOSE_SAND | 30 | 0.00 | 0.05 | 0.05 | 0.0 | 0.2 | 0.2 | 0.0 | 0.1 | 0.1 |
| Clear_Sky | 75 | 30 | 86 | LOOSE_SAND | 40 | 0.00 | 0.00 | 0.05 | 0.0 | 0.0 | 0.2 | 0.0 | 0.0 | 0.1 |
| Clear_Sky | 75 | 30 | 86 | LOOSE_SAND | 50 | 0.00 | 0.00 | 0.00 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

Table D-28. Maximum Sustainable Speed, Clear Sky, 75% Humidity, 35°C (95°F)

| Cloud Cover | RH (%) | °C | °F | Terrain Type | Grade (%) | Max Sustainable Speed (meters/second) | | | Max Sustainable Speed (kilometers/hour) | | | Max Sustainable Speed (miles/hour) | | |
|-------------|--------|----|----|--------------|-----------|---------------------------------------|------|------|---|-----|------|------------------------------------|-----|------|
| | | | | | | Risk Level | | | Risk Level | | | Risk Level | | |
| | | | | | | Low | Mod | High | Low | Mod | High | Low | Mod | High |
| Clear_Sky | 75 | 35 | 95 | BLACK_TOP | -50 | 0.00 | 0.00 | 0.00 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Clear_Sky | 75 | 35 | 95 | BLACK_TOP | -40 | 0.00 | 0.00 | 0.00 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Clear_Sky | 75 | 35 | 95 | BLACK_TOP | -30 | 0.00 | 0.00 | 0.00 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Clear_Sky | 75 | 35 | 95 | BLACK_TOP | -20 | 0.00 | 0.00 | 0.00 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Clear_Sky | 75 | 35 | 95 | BLACK_TOP | -15 | 0.00 | 0.00 | 0.00 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Clear_Sky | 75 | 35 | 95 | BLACK_TOP | -10 | 0.00 | 0.00 | 0.00 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Clear_Sky | 75 | 35 | 95 | BLACK_TOP | -5 | 0.00 | 0.00 | 0.00 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Clear_Sky | 75 | 35 | 95 | BLACK_TOP | 0 | 0.00 | 0.00 | 0.00 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Clear_Sky | 75 | 35 | 95 | BLACK_TOP | 5 | 0.00 | 0.00 | 0.00 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Clear_Sky | 75 | 35 | 95 | BLACK_TOP | 10 | 0.00 | 0.00 | 0.00 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Clear_Sky | 75 | 35 | 95 | BLACK_TOP | 15 | 0.00 | 0.00 | 0.00 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Clear_Sky | 75 | 35 | 95 | BLACK_TOP | 20 | 0.00 | 0.00 | 0.00 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Clear_Sky | 75 | 35 | 95 | BLACK_TOP | 30 | 0.00 | 0.00 | 0.00 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Clear_Sky | 75 | 35 | 95 | BLACK_TOP | 40 | 0.00 | 0.00 | 0.00 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Clear_Sky | 75 | 35 | 95 | BLACK_TOP | 50 | 0.00 | 0.00 | 0.00 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Clear_Sky | 75 | 35 | 95 | DIRT_ROAD | -50 | 0.00 | 0.00 | 0.00 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Clear_Sky | 75 | 35 | 95 | DIRT_ROAD | -40 | 0.00 | 0.00 | 0.00 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Clear_Sky | 75 | 35 | 95 | DIRT_ROAD | -30 | 0.00 | 0.00 | 0.00 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Clear_Sky | 75 | 35 | 95 | DIRT_ROAD | -20 | 0.00 | 0.00 | 0.00 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Clear_Sky | 75 | 35 | 95 | DIRT_ROAD | -15 | 0.00 | 0.00 | 0.00 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Clear_Sky | 75 | 35 | 95 | DIRT_ROAD | -10 | 0.00 | 0.00 | 0.00 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Clear_Sky | 75 | 35 | 95 | DIRT_ROAD | -5 | 0.00 | 0.00 | 0.00 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Clear_Sky | 75 | 35 | 95 | DIRT_ROAD | 0 | 0.00 | 0.00 | 0.00 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Clear_Sky | 75 | 35 | 95 | DIRT_ROAD | 5 | 0.00 | 0.00 | 0.00 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Clear_Sky | 75 | 35 | 95 | DIRT_ROAD | 10 | 0.00 | 0.00 | 0.00 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Clear_Sky | 75 | 35 | 95 | DIRT_ROAD | 15 | 0.00 | 0.00 | 0.00 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Clear_Sky | 75 | 35 | 95 | DIRT_ROAD | 20 | 0.00 | 0.00 | 0.00 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Clear_Sky | 75 | 35 | 95 | DIRT_ROAD | 30 | 0.00 | 0.00 | 0.00 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Clear_Sky | 75 | 35 | 95 | DIRT_ROAD | 40 | 0.00 | 0.00 | 0.00 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Clear_Sky | 75 | 35 | 95 | DIRT_ROAD | 50 | 0.00 | 0.00 | 0.00 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Clear_Sky | 75 | 35 | 95 | LOOSE_SAND | -50 | 0.00 | 0.00 | 0.00 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Clear_Sky | 75 | 35 | 95 | LOOSE_SAND | -40 | 0.00 | 0.00 | 0.00 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Clear_Sky | 75 | 35 | 95 | LOOSE_SAND | -30 | 0.00 | 0.00 | 0.00 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Clear_Sky | 75 | 35 | 95 | LOOSE_SAND | -20 | 0.00 | 0.00 | 0.00 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Clear_Sky | 75 | 35 | 95 | LOOSE_SAND | -15 | 0.00 | 0.00 | 0.00 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Clear_Sky | 75 | 35 | 95 | LOOSE_SAND | -10 | 0.00 | 0.00 | 0.00 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Clear_Sky | 75 | 35 | 95 | LOOSE_SAND | -5 | 0.00 | 0.00 | 0.00 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Clear_Sky | 75 | 35 | 95 | LOOSE_SAND | 0 | 0.00 | 0.00 | 0.00 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Clear_Sky | 75 | 35 | 95 | LOOSE_SAND | 5 | 0.00 | 0.00 | 0.00 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Clear_Sky | 75 | 35 | 95 | LOOSE_SAND | 10 | 0.00 | 0.00 | 0.00 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Clear_Sky | 75 | 35 | 95 | LOOSE_SAND | 15 | 0.00 | 0.00 | 0.00 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Clear_Sky | 75 | 35 | 95 | LOOSE_SAND | 20 | 0.00 | 0.00 | 0.00 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Clear_Sky | 75 | 35 | 95 | LOOSE_SAND | 30 | 0.00 | 0.00 | 0.00 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Clear_Sky | 75 | 35 | 95 | LOOSE_SAND | 40 | 0.00 | 0.00 | 0.00 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Clear_Sky | 75 | 35 | 95 | LOOSE_SAND | 50 | 0.00 | 0.00 | 0.00 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

Table D-29. Maximum Sustainable Speed, Clear Sky, 95% Humidity, 5°C (41°F)

| Cloud Cover | RH (%) | °C | °F | Terrain Type | Grade (%) | Max Sustainable Speed (meters/second) | | | Max Sustainable Speed (kilometers/hour) | | | Max Sustainable Speed (miles/hour) | | |
|-------------|--------|----|----|--------------|-----------|---------------------------------------|------|------|---|-----|------|------------------------------------|-----|------|
| | | | | | | Risk Level | | | Risk Level | | | Risk Level | | |
| | | | | | | Low | Mod | High | Low | Mod | High | Low | Mod | High |
| Clear_Sky | 95 | 5 | 41 | BLACK_TOP | -50 | 0.95 | 1.20 | 1.50 | 3.4 | 4.3 | 5.4 | 2.1 | 2.7 | 3.4 |
| Clear_Sky | 95 | 5 | 41 | BLACK_TOP | -40 | 1.05 | 1.30 | 1.65 | 3.8 | 4.7 | 5.9 | 2.4 | 2.9 | 3.7 |
| Clear_Sky | 95 | 5 | 41 | BLACK_TOP | -30 | 1.20 | 1.45 | 1.80 | 4.3 | 5.2 | 6.5 | 2.7 | 3.2 | 4.0 |
| Clear_Sky | 95 | 5 | 41 | BLACK_TOP | -20 | 1.35 | 1.65 | 1.95 | 4.9 | 5.9 | 7.0 | 3.0 | 3.7 | 4.4 |
| Clear_Sky | 95 | 5 | 41 | BLACK_TOP | -15 | 1.45 | 1.75 | 2.05 | 5.2 | 6.3 | 7.4 | 3.2 | 3.9 | 4.6 |
| Clear_Sky | 95 | 5 | 41 | BLACK_TOP | -10 | 1.55 | 1.85 | 2.15 | 5.6 | 6.7 | 7.7 | 3.5 | 4.1 | 4.8 |
| Clear_Sky | 95 | 5 | 41 | BLACK_TOP | -5 | 1.65 | 1.95 | 2.25 | 5.9 | 7.0 | 8.1 | 3.7 | 4.4 | 5.0 |
| Clear_Sky | 95 | 5 | 41 | BLACK_TOP | 0 | 1.80 | 2.05 | 2.40 | 6.5 | 7.4 | 8.6 | 4.0 | 4.6 | 5.4 |
| Clear_Sky | 95 | 5 | 41 | BLACK_TOP | 5 | 1.30 | 1.55 | 1.85 | 4.7 | 5.6 | 6.7 | 2.9 | 3.5 | 4.1 |
| Clear_Sky | 95 | 5 | 41 | BLACK_TOP | 10 | 0.95 | 1.20 | 1.50 | 3.4 | 4.3 | 5.4 | 2.1 | 2.7 | 3.4 |
| Clear_Sky | 95 | 5 | 41 | BLACK_TOP | 15 | 0.75 | 0.95 | 1.20 | 2.7 | 3.4 | 4.3 | 1.7 | 2.1 | 2.7 |
| Clear_Sky | 95 | 5 | 41 | BLACK_TOP | 20 | 0.60 | 0.75 | 1.00 | 2.2 | 2.7 | 3.6 | 1.3 | 1.7 | 2.2 |
| Clear_Sky | 95 | 5 | 41 | BLACK_TOP | 30 | 0.40 | 0.55 | 0.75 | 1.4 | 2.0 | 2.7 | 0.9 | 1.2 | 1.7 |
| Clear_Sky | 95 | 5 | 41 | BLACK_TOP | 40 | 0.30 | 0.40 | 0.55 | 1.1 | 1.4 | 2.0 | 0.7 | 0.9 | 1.2 |
| Clear_Sky | 95 | 5 | 41 | BLACK_TOP | 50 | 0.25 | 0.35 | 0.45 | 0.9 | 1.3 | 1.6 | 0.6 | 0.8 | 1.0 |
| Clear_Sky | 95 | 5 | 41 | DIRT_ROAD | -50 | 0.90 | 1.10 | 1.40 | 3.2 | 4.0 | 5.0 | 2.0 | 2.5 | 3.1 |
| Clear_Sky | 95 | 5 | 41 | DIRT_ROAD | -40 | 1.00 | 1.25 | 1.50 | 3.6 | 4.5 | 5.4 | 2.2 | 2.8 | 3.4 |
| Clear_Sky | 95 | 5 | 41 | DIRT_ROAD | -30 | 1.15 | 1.40 | 1.70 | 4.1 | 5.0 | 6.1 | 2.6 | 3.1 | 3.8 |
| Clear_Sky | 95 | 5 | 41 | DIRT_ROAD | -20 | 1.30 | 1.55 | 1.85 | 4.7 | 5.6 | 6.7 | 2.9 | 3.5 | 4.1 |
| Clear_Sky | 95 | 5 | 41 | DIRT_ROAD | -15 | 1.40 | 1.65 | 1.95 | 5.0 | 5.9 | 7.0 | 3.1 | 3.7 | 4.4 |
| Clear_Sky | 95 | 5 | 41 | DIRT_ROAD | -10 | 1.50 | 1.75 | 2.05 | 5.4 | 6.3 | 7.4 | 3.4 | 3.9 | 4.6 |
| Clear_Sky | 95 | 5 | 41 | DIRT_ROAD | -5 | 1.60 | 1.85 | 2.15 | 5.8 | 6.7 | 7.7 | 3.6 | 4.1 | 4.8 |
| Clear_Sky | 95 | 5 | 41 | DIRT_ROAD | 0 | 1.70 | 1.95 | 2.25 | 6.1 | 7.0 | 8.1 | 3.8 | 4.4 | 5.0 |
| Clear_Sky | 95 | 5 | 41 | DIRT_ROAD | 5 | 1.20 | 1.45 | 1.75 | 4.3 | 5.2 | 6.3 | 2.7 | 3.2 | 3.9 |
| Clear_Sky | 95 | 5 | 41 | DIRT_ROAD | 10 | 0.90 | 1.10 | 1.40 | 3.2 | 4.0 | 5.0 | 2.0 | 2.5 | 3.1 |
| Clear_Sky | 95 | 5 | 41 | DIRT_ROAD | 15 | 0.70 | 0.85 | 1.10 | 2.5 | 3.1 | 4.0 | 1.6 | 1.9 | 2.5 |
| Clear_Sky | 95 | 5 | 41 | DIRT_ROAD | 20 | 0.55 | 0.70 | 0.90 | 2.0 | 2.5 | 3.2 | 1.2 | 1.6 | 2.0 |
| Clear_Sky | 95 | 5 | 41 | DIRT_ROAD | 30 | 0.40 | 0.50 | 0.65 | 1.4 | 1.8 | 2.3 | 0.9 | 1.1 | 1.5 |
| Clear_Sky | 95 | 5 | 41 | DIRT_ROAD | 40 | 0.30 | 0.40 | 0.50 | 1.1 | 1.4 | 1.8 | 0.7 | 0.9 | 1.1 |
| Clear_Sky | 95 | 5 | 41 | DIRT_ROAD | 50 | 0.20 | 0.30 | 0.40 | 0.7 | 1.1 | 1.4 | 0.4 | 0.7 | 0.9 |
| Clear_Sky | 95 | 5 | 41 | LOOSE_SAND | -50 | 0.50 | 0.65 | 0.85 | 1.8 | 2.3 | 3.1 | 1.1 | 1.5 | 1.9 |
| Clear_Sky | 95 | 5 | 41 | LOOSE_SAND | -40 | 0.60 | 0.75 | 0.95 | 2.2 | 2.7 | 3.4 | 1.3 | 1.7 | 2.1 |
| Clear_Sky | 95 | 5 | 41 | LOOSE_SAND | -30 | 0.70 | 0.85 | 1.10 | 2.5 | 3.1 | 4.0 | 1.6 | 1.9 | 2.5 |
| Clear_Sky | 95 | 5 | 41 | LOOSE_SAND | -20 | 0.85 | 1.00 | 1.25 | 3.1 | 3.6 | 4.5 | 1.9 | 2.2 | 2.8 |
| Clear_Sky | 95 | 5 | 41 | LOOSE_SAND | -15 | 0.90 | 1.10 | 1.35 | 3.2 | 4.0 | 4.9 | 2.0 | 2.5 | 3.0 |
| Clear_Sky | 95 | 5 | 41 | LOOSE_SAND | -10 | 1.00 | 1.20 | 1.40 | 3.6 | 4.3 | 5.0 | 2.2 | 2.7 | 3.1 |
| Clear_Sky | 95 | 5 | 41 | LOOSE_SAND | -5 | 1.10 | 1.30 | 1.55 | 4.0 | 4.7 | 5.6 | 2.5 | 2.9 | 3.5 |
| Clear_Sky | 95 | 5 | 41 | LOOSE_SAND | 0 | 1.20 | 1.40 | 1.65 | 4.3 | 5.0 | 5.9 | 2.7 | 3.1 | 3.7 |
| Clear_Sky | 95 | 5 | 41 | LOOSE_SAND | 5 | 0.75 | 0.95 | 1.15 | 2.7 | 3.4 | 4.1 | 1.7 | 2.1 | 2.6 |
| Clear_Sky | 95 | 5 | 41 | LOOSE_SAND | 10 | 0.50 | 0.65 | 0.85 | 1.8 | 2.3 | 3.1 | 1.1 | 1.5 | 1.9 |
| Clear_Sky | 95 | 5 | 41 | LOOSE_SAND | 15 | 0.35 | 0.50 | 0.65 | 1.3 | 1.8 | 2.3 | 0.8 | 1.1 | 1.5 |
| Clear_Sky | 95 | 5 | 41 | LOOSE_SAND | 20 | 0.30 | 0.40 | 0.50 | 1.1 | 1.4 | 1.8 | 0.7 | 0.9 | 1.1 |
| Clear_Sky | 95 | 5 | 41 | LOOSE_SAND | 30 | 0.20 | 0.25 | 0.35 | 0.7 | 0.9 | 1.3 | 0.4 | 0.6 | 0.8 |
| Clear_Sky | 95 | 5 | 41 | LOOSE_SAND | 40 | 0.15 | 0.20 | 0.25 | 0.5 | 0.7 | 0.9 | 0.3 | 0.4 | 0.6 |
| Clear_Sky | 95 | 5 | 41 | LOOSE_SAND | 50 | 0.10 | 0.15 | 0.20 | 0.4 | 0.5 | 0.7 | 0.2 | 0.3 | 0.4 |

Table D-30. Maximum Sustainable Speed, Clear Sky, 95% Humidity, 10°C (50°F)

| Cloud Cover | RH (%) | °C | °F | Terrain Type | Grade (%) | Max Sustainable Speed (meters/second) | | | Max Sustainable Speed (kilometers/hour) | | | Max Sustainable Speed (miles/hour) | | |
|-------------|--------|----|----|--------------|-----------|---------------------------------------|------|------|---|-----|------|------------------------------------|-----|------|
| | | | | | | Risk Level | | | Risk Level | | | Risk Level | | |
| | | | | | | Low | Mod | High | Low | Mod | High | Low | Mod | High |
| Clear_Sky | 95 | 10 | 50 | BLACK_TOP | -50 | 0.85 | 1.10 | 1.30 | 3.1 | 4.0 | 4.7 | 1.9 | 2.5 | 2.9 |
| Clear_Sky | 95 | 10 | 50 | BLACK_TOP | -40 | 0.95 | 1.20 | 1.45 | 3.4 | 4.3 | 5.2 | 2.1 | 2.7 | 3.2 |
| Clear_Sky | 95 | 10 | 50 | BLACK_TOP | -30 | 1.10 | 1.35 | 1.60 | 4.0 | 4.9 | 5.8 | 2.5 | 3.0 | 3.6 |
| Clear_Sky | 95 | 10 | 50 | BLACK_TOP | -20 | 1.25 | 1.55 | 1.75 | 4.5 | 5.6 | 6.3 | 2.8 | 3.5 | 3.9 |
| Clear_Sky | 95 | 10 | 50 | BLACK_TOP | -15 | 1.35 | 1.65 | 1.85 | 4.9 | 5.9 | 6.7 | 3.0 | 3.7 | 4.1 |
| Clear_Sky | 95 | 10 | 50 | BLACK_TOP | -10 | 1.45 | 1.75 | 1.95 | 5.2 | 6.3 | 7.0 | 3.2 | 3.9 | 4.4 |
| Clear_Sky | 95 | 10 | 50 | BLACK_TOP | -5 | 1.55 | 1.85 | 2.05 | 5.6 | 6.7 | 7.4 | 3.5 | 4.1 | 4.6 |
| Clear_Sky | 95 | 10 | 50 | BLACK_TOP | 0 | 1.65 | 1.95 | 2.20 | 5.9 | 7.0 | 7.9 | 3.7 | 4.4 | 4.9 |
| Clear_Sky | 95 | 10 | 50 | BLACK_TOP | 5 | 1.20 | 1.45 | 1.70 | 4.3 | 5.2 | 6.1 | 2.7 | 3.2 | 3.8 |
| Clear_Sky | 95 | 10 | 50 | BLACK_TOP | 10 | 0.85 | 1.10 | 1.30 | 3.1 | 4.0 | 4.7 | 1.9 | 2.5 | 2.9 |
| Clear_Sky | 95 | 10 | 50 | BLACK_TOP | 15 | 0.65 | 0.85 | 1.05 | 2.3 | 3.1 | 3.8 | 1.5 | 1.9 | 2.4 |
| Clear_Sky | 95 | 10 | 50 | BLACK_TOP | 20 | 0.50 | 0.70 | 0.85 | 1.8 | 2.5 | 3.1 | 1.1 | 1.6 | 1.9 |
| Clear_Sky | 95 | 10 | 50 | BLACK_TOP | 30 | 0.35 | 0.50 | 0.60 | 1.3 | 1.8 | 2.2 | 0.8 | 1.1 | 1.3 |
| Clear_Sky | 95 | 10 | 50 | BLACK_TOP | 40 | 0.25 | 0.35 | 0.45 | 0.9 | 1.3 | 1.6 | 0.6 | 0.8 | 1.0 |
| Clear_Sky | 95 | 10 | 50 | BLACK_TOP | 50 | 0.20 | 0.30 | 0.40 | 0.7 | 1.1 | 1.4 | 0.4 | 0.7 | 0.9 |
| Clear_Sky | 95 | 10 | 50 | DIRT_ROAD | -50 | 0.80 | 1.00 | 1.20 | 2.9 | 3.6 | 4.3 | 1.8 | 2.2 | 2.7 |
| Clear_Sky | 95 | 10 | 50 | DIRT_ROAD | -40 | 0.90 | 1.15 | 1.35 | 3.2 | 4.1 | 4.9 | 2.0 | 2.6 | 3.0 |
| Clear_Sky | 95 | 10 | 50 | DIRT_ROAD | -30 | 1.05 | 1.30 | 1.50 | 3.8 | 4.7 | 5.4 | 2.4 | 2.9 | 3.4 |
| Clear_Sky | 95 | 10 | 50 | DIRT_ROAD | -20 | 1.20 | 1.45 | 1.65 | 4.3 | 5.2 | 5.9 | 2.7 | 3.2 | 3.7 |
| Clear_Sky | 95 | 10 | 50 | DIRT_ROAD | -15 | 1.30 | 1.55 | 1.75 | 4.7 | 5.6 | 6.3 | 2.9 | 3.5 | 3.9 |
| Clear_Sky | 95 | 10 | 50 | DIRT_ROAD | -10 | 1.35 | 1.65 | 1.85 | 4.9 | 5.9 | 6.7 | 3.0 | 3.7 | 4.1 |
| Clear_Sky | 95 | 10 | 50 | DIRT_ROAD | -5 | 1.50 | 1.75 | 1.95 | 5.4 | 6.3 | 7.0 | 3.4 | 3.9 | 4.4 |
| Clear_Sky | 95 | 10 | 50 | DIRT_ROAD | 0 | 1.60 | 1.85 | 2.10 | 5.8 | 6.7 | 7.6 | 3.6 | 4.1 | 4.7 |
| Clear_Sky | 95 | 10 | 50 | DIRT_ROAD | 5 | 1.10 | 1.35 | 1.60 | 4.0 | 4.9 | 5.8 | 2.5 | 3.0 | 3.6 |
| Clear_Sky | 95 | 10 | 50 | DIRT_ROAD | 10 | 0.80 | 1.00 | 1.20 | 2.9 | 3.6 | 4.3 | 1.8 | 2.2 | 2.7 |
| Clear_Sky | 95 | 10 | 50 | DIRT_ROAD | 15 | 0.60 | 0.80 | 0.95 | 2.2 | 2.9 | 3.4 | 1.3 | 1.8 | 2.1 |
| Clear_Sky | 95 | 10 | 50 | DIRT_ROAD | 20 | 0.50 | 0.65 | 0.80 | 1.8 | 2.3 | 2.9 | 1.1 | 1.5 | 1.8 |
| Clear_Sky | 95 | 10 | 50 | DIRT_ROAD | 30 | 0.35 | 0.45 | 0.55 | 1.3 | 1.6 | 2.0 | 0.8 | 1.0 | 1.2 |
| Clear_Sky | 95 | 10 | 50 | DIRT_ROAD | 40 | 0.25 | 0.35 | 0.45 | 0.9 | 1.3 | 1.6 | 0.6 | 0.8 | 1.0 |
| Clear_Sky | 95 | 10 | 50 | DIRT_ROAD | 50 | 0.20 | 0.25 | 0.35 | 0.7 | 0.9 | 1.3 | 0.4 | 0.6 | 0.8 |
| Clear_Sky | 95 | 10 | 50 | LOOSE_SAND | -50 | 0.45 | 0.60 | 0.75 | 1.6 | 2.2 | 2.7 | 1.0 | 1.3 | 1.7 |
| Clear_Sky | 95 | 10 | 50 | LOOSE_SAND | -40 | 0.55 | 0.70 | 0.85 | 2.0 | 2.5 | 3.1 | 1.2 | 1.6 | 1.9 |
| Clear_Sky | 95 | 10 | 50 | LOOSE_SAND | -30 | 0.65 | 0.80 | 0.95 | 2.3 | 2.9 | 3.4 | 1.5 | 1.8 | 2.1 |
| Clear_Sky | 95 | 10 | 50 | LOOSE_SAND | -20 | 0.75 | 0.95 | 1.10 | 2.7 | 3.4 | 4.0 | 1.7 | 2.1 | 2.5 |
| Clear_Sky | 95 | 10 | 50 | LOOSE_SAND | -15 | 0.85 | 1.05 | 1.20 | 3.1 | 3.8 | 4.3 | 1.9 | 2.4 | 2.7 |
| Clear_Sky | 95 | 10 | 50 | LOOSE_SAND | -10 | 0.95 | 1.10 | 1.30 | 3.4 | 4.0 | 4.7 | 2.1 | 2.5 | 2.9 |
| Clear_Sky | 95 | 10 | 50 | LOOSE_SAND | -5 | 1.05 | 1.20 | 1.40 | 3.8 | 4.3 | 5.0 | 2.4 | 2.7 | 3.1 |
| Clear_Sky | 95 | 10 | 50 | LOOSE_SAND | 0 | 1.15 | 1.35 | 1.50 | 4.1 | 4.9 | 5.4 | 2.6 | 3.0 | 3.4 |
| Clear_Sky | 95 | 10 | 50 | LOOSE_SAND | 5 | 0.70 | 0.85 | 1.00 | 2.5 | 3.1 | 3.6 | 1.6 | 1.9 | 2.2 |
| Clear_Sky | 95 | 10 | 50 | LOOSE_SAND | 10 | 0.45 | 0.60 | 0.75 | 1.6 | 2.2 | 2.7 | 1.0 | 1.3 | 1.7 |
| Clear_Sky | 95 | 10 | 50 | LOOSE_SAND | 15 | 0.35 | 0.45 | 0.55 | 1.3 | 1.6 | 2.0 | 0.8 | 1.0 | 1.2 |
| Clear_Sky | 95 | 10 | 50 | LOOSE_SAND | 20 | 0.25 | 0.35 | 0.45 | 0.9 | 1.3 | 1.6 | 0.6 | 0.8 | 1.0 |
| Clear_Sky | 95 | 10 | 50 | LOOSE_SAND | 30 | 0.15 | 0.25 | 0.30 | 0.5 | 0.9 | 1.1 | 0.3 | 0.6 | 0.7 |
| Clear_Sky | 95 | 10 | 50 | LOOSE_SAND | 40 | 0.10 | 0.15 | 0.20 | 0.4 | 0.5 | 0.7 | 0.2 | 0.3 | 0.4 |
| Clear_Sky | 95 | 10 | 50 | LOOSE_SAND | 50 | 0.10 | 0.15 | 0.15 | 0.4 | 0.5 | 0.5 | 0.2 | 0.3 | 0.3 |

Table D-31. Maximum Sustainable Speed, Clear Sky, 95 % Humidity, 15°C (59°F)

| Cloud Cover | RH (%) | °C | °F | Terrain Type | Grade (%) | Max Sustainable Speed (meters/second) | | | Max Sustainable Speed (kilometers/hour) | | | Max Sustainable Speed (miles/hour) | | |
|-------------|--------|----|----|--------------|-----------|---------------------------------------|------|------|---|-----|------|------------------------------------|-----|------|
| | | | | | | Risk Level | | | Risk Level | | | Risk Level | | |
| | | | | | | Low | Mod | High | Low | Mod | High | Low | Mod | High |
| Clear_Sky | 95 | 15 | 59 | BLACK_TOP | -50 | 0.75 | 0.95 | 1.10 | 2.7 | 3.4 | 4.0 | 1.7 | 2.1 | 2.5 |
| Clear_Sky | 95 | 15 | 59 | BLACK_TOP | -40 | 0.85 | 1.10 | 1.25 | 3.1 | 4.0 | 4.5 | 1.9 | 2.5 | 2.8 |
| Clear_Sky | 95 | 15 | 59 | BLACK_TOP | -30 | 1.00 | 1.20 | 1.35 | 3.6 | 4.3 | 4.9 | 2.2 | 2.7 | 3.0 |
| Clear_Sky | 95 | 15 | 59 | BLACK_TOP | -20 | 1.15 | 1.35 | 1.55 | 4.1 | 4.9 | 5.6 | 2.6 | 3.0 | 3.5 |
| Clear_Sky | 95 | 15 | 59 | BLACK_TOP | -15 | 1.25 | 1.45 | 1.65 | 4.5 | 5.2 | 5.9 | 2.8 | 3.2 | 3.7 |
| Clear_Sky | 95 | 15 | 59 | BLACK_TOP | -10 | 1.35 | 1.55 | 1.75 | 4.9 | 5.6 | 6.3 | 3.0 | 3.5 | 3.9 |
| Clear_Sky | 95 | 15 | 59 | BLACK_TOP | -5 | 1.45 | 1.65 | 1.85 | 5.2 | 5.9 | 6.7 | 3.2 | 3.7 | 4.1 |
| Clear_Sky | 95 | 15 | 59 | BLACK_TOP | 0 | 1.55 | 1.80 | 1.95 | 5.6 | 6.5 | 7.0 | 3.5 | 4.0 | 4.4 |
| Clear_Sky | 95 | 15 | 59 | BLACK_TOP | 5 | 1.05 | 1.30 | 1.45 | 3.8 | 4.7 | 5.2 | 2.4 | 2.9 | 3.2 |
| Clear_Sky | 95 | 15 | 59 | BLACK_TOP | 10 | 0.75 | 0.95 | 1.10 | 2.7 | 3.4 | 4.0 | 1.7 | 2.1 | 2.5 |
| Clear_Sky | 95 | 15 | 59 | BLACK_TOP | 15 | 0.60 | 0.75 | 0.85 | 2.2 | 2.7 | 3.1 | 1.3 | 1.7 | 1.9 |
| Clear_Sky | 95 | 15 | 59 | BLACK_TOP | 20 | 0.45 | 0.60 | 0.70 | 1.6 | 2.2 | 2.5 | 1.0 | 1.3 | 1.6 |
| Clear_Sky | 95 | 15 | 59 | BLACK_TOP | 30 | 0.30 | 0.40 | 0.50 | 1.1 | 1.4 | 1.8 | 0.7 | 0.9 | 1.1 |
| Clear_Sky | 95 | 15 | 59 | BLACK_TOP | 40 | 0.25 | 0.30 | 0.40 | 0.9 | 1.1 | 1.4 | 0.6 | 0.7 | 0.9 |
| Clear_Sky | 95 | 15 | 59 | BLACK_TOP | 50 | 0.20 | 0.25 | 0.30 | 0.7 | 0.9 | 1.1 | 0.4 | 0.6 | 0.7 |
| Clear_Sky | 95 | 15 | 59 | DIRT_ROAD | -50 | 0.70 | 0.90 | 1.00 | 2.5 | 3.2 | 3.6 | 1.6 | 2.0 | 2.2 |
| Clear_Sky | 95 | 15 | 59 | DIRT_ROAD | -40 | 0.80 | 1.00 | 1.15 | 2.9 | 3.6 | 4.1 | 1.8 | 2.2 | 2.6 |
| Clear_Sky | 95 | 15 | 59 | DIRT_ROAD | -30 | 0.95 | 1.15 | 1.30 | 3.4 | 4.1 | 4.7 | 2.1 | 2.6 | 2.9 |
| Clear_Sky | 95 | 15 | 59 | DIRT_ROAD | -20 | 1.10 | 1.30 | 1.45 | 4.0 | 4.7 | 5.2 | 2.5 | 2.9 | 3.2 |
| Clear_Sky | 95 | 15 | 59 | DIRT_ROAD | -15 | 1.15 | 1.40 | 1.55 | 4.1 | 5.0 | 5.6 | 2.6 | 3.1 | 3.5 |
| Clear_Sky | 95 | 15 | 59 | DIRT_ROAD | -10 | 1.25 | 1.50 | 1.65 | 4.5 | 5.4 | 5.9 | 2.8 | 3.4 | 3.7 |
| Clear_Sky | 95 | 15 | 59 | DIRT_ROAD | -5 | 1.35 | 1.60 | 1.75 | 4.9 | 5.8 | 6.3 | 3.0 | 3.6 | 3.9 |
| Clear_Sky | 95 | 15 | 59 | DIRT_ROAD | 0 | 1.45 | 1.70 | 1.85 | 5.2 | 6.1 | 6.7 | 3.2 | 3.8 | 4.1 |
| Clear_Sky | 95 | 15 | 59 | DIRT_ROAD | 5 | 1.00 | 1.20 | 1.35 | 3.6 | 4.3 | 4.9 | 2.2 | 2.7 | 3.0 |
| Clear_Sky | 95 | 15 | 59 | DIRT_ROAD | 10 | 0.70 | 0.90 | 1.00 | 2.5 | 3.2 | 3.6 | 1.6 | 2.0 | 2.2 |
| Clear_Sky | 95 | 15 | 59 | DIRT_ROAD | 15 | 0.55 | 0.70 | 0.80 | 2.0 | 2.5 | 2.9 | 1.2 | 1.6 | 1.8 |
| Clear_Sky | 95 | 15 | 59 | DIRT_ROAD | 20 | 0.40 | 0.55 | 0.65 | 1.4 | 2.0 | 2.3 | 0.9 | 1.2 | 1.5 |
| Clear_Sky | 95 | 15 | 59 | DIRT_ROAD | 30 | 0.30 | 0.40 | 0.45 | 1.1 | 1.4 | 1.6 | 0.7 | 0.9 | 1.0 |
| Clear_Sky | 95 | 15 | 59 | DIRT_ROAD | 40 | 0.20 | 0.30 | 0.35 | 0.7 | 1.1 | 1.3 | 0.4 | 0.7 | 0.8 |
| Clear_Sky | 95 | 15 | 59 | DIRT_ROAD | 50 | 0.15 | 0.20 | 0.25 | 0.5 | 0.7 | 0.9 | 0.3 | 0.4 | 0.6 |
| Clear_Sky | 95 | 15 | 59 | LOOSE_SAND | -50 | 0.40 | 0.50 | 0.60 | 1.4 | 1.8 | 2.2 | 0.9 | 1.1 | 1.3 |
| Clear_Sky | 95 | 15 | 59 | LOOSE_SAND | -40 | 0.45 | 0.60 | 0.70 | 1.6 | 2.2 | 2.5 | 1.0 | 1.3 | 1.6 |
| Clear_Sky | 95 | 15 | 59 | LOOSE_SAND | -30 | 0.55 | 0.70 | 0.80 | 2.0 | 2.5 | 2.9 | 1.2 | 1.6 | 1.8 |
| Clear_Sky | 95 | 15 | 59 | LOOSE_SAND | -20 | 0.70 | 0.85 | 0.95 | 2.5 | 3.1 | 3.4 | 1.6 | 1.9 | 2.1 |
| Clear_Sky | 95 | 15 | 59 | LOOSE_SAND | -15 | 0.75 | 0.90 | 1.05 | 2.7 | 3.2 | 3.8 | 1.7 | 2.0 | 2.4 |
| Clear_Sky | 95 | 15 | 59 | LOOSE_SAND | -10 | 0.85 | 1.00 | 1.15 | 3.1 | 3.6 | 4.1 | 1.9 | 2.2 | 2.6 |
| Clear_Sky | 95 | 15 | 59 | LOOSE_SAND | -5 | 0.95 | 1.10 | 1.25 | 3.4 | 4.0 | 4.5 | 2.1 | 2.5 | 2.8 |
| Clear_Sky | 95 | 15 | 59 | LOOSE_SAND | 0 | 1.05 | 1.20 | 1.35 | 3.8 | 4.3 | 4.9 | 2.4 | 2.7 | 3.0 |
| Clear_Sky | 95 | 15 | 59 | LOOSE_SAND | 5 | 0.60 | 0.75 | 0.90 | 2.2 | 2.7 | 3.2 | 1.3 | 1.7 | 2.0 |
| Clear_Sky | 95 | 15 | 59 | LOOSE_SAND | 10 | 0.40 | 0.50 | 0.60 | 1.4 | 1.8 | 2.2 | 0.9 | 1.1 | 1.3 |
| Clear_Sky | 95 | 15 | 59 | LOOSE_SAND | 15 | 0.30 | 0.35 | 0.45 | 1.1 | 1.3 | 1.6 | 0.7 | 0.8 | 1.0 |
| Clear_Sky | 95 | 15 | 59 | LOOSE_SAND | 20 | 0.20 | 0.30 | 0.35 | 0.7 | 1.1 | 1.3 | 0.4 | 0.7 | 0.8 |
| Clear_Sky | 95 | 15 | 59 | LOOSE_SAND | 30 | 0.15 | 0.20 | 0.25 | 0.5 | 0.7 | 0.9 | 0.3 | 0.4 | 0.6 |
| Clear_Sky | 95 | 15 | 59 | LOOSE_SAND | 40 | 0.10 | 0.15 | 0.15 | 0.4 | 0.5 | 0.5 | 0.2 | 0.3 | 0.3 |
| Clear_Sky | 95 | 15 | 59 | LOOSE_SAND | 50 | 0.10 | 0.10 | 0.15 | 0.4 | 0.4 | 0.5 | 0.2 | 0.2 | 0.3 |

Table D-32. Maximum Sustainable Speed, Clear Sky, 95 % Humidity, 20°C (68°F)

| Cloud Cover | RH (%) | °C | °F | Terrain Type | Grade (%) | Max Sustainable Speed (meters/second) | | | Max Sustainable Speed (kilometers/hour) | | | Max Sustainable Speed (miles/hour) | | |
|-------------|--------|----|----|--------------|-----------|---------------------------------------|------|------|---|-----|------|------------------------------------|-----|------|
| | | | | | | Risk Level | | | Risk Level | | | Risk Level | | |
| | | | | | | Low | Mod | High | Low | Mod | High | Low | Mod | High |
| Clear_Sky | 95 | 20 | 68 | BLACK_TOP | -50 | 0.65 | 0.75 | 0.85 | 2.3 | 2.7 | 3.1 | 1.5 | 1.7 | 1.9 |
| Clear_Sky | 95 | 20 | 68 | BLACK_TOP | -40 | 0.75 | 0.85 | 0.95 | 2.7 | 3.1 | 3.4 | 1.7 | 1.9 | 2.1 |
| Clear_Sky | 95 | 20 | 68 | BLACK_TOP | -30 | 0.90 | 0.95 | 1.10 | 3.2 | 3.4 | 4.0 | 2.0 | 2.1 | 2.5 |
| Clear_Sky | 95 | 20 | 68 | BLACK_TOP | -20 | 1.00 | 1.10 | 1.25 | 3.6 | 4.0 | 4.5 | 2.2 | 2.5 | 2.8 |
| Clear_Sky | 95 | 20 | 68 | BLACK_TOP | -15 | 1.10 | 1.20 | 1.35 | 4.0 | 4.3 | 4.9 | 2.5 | 2.7 | 3.0 |
| Clear_Sky | 95 | 20 | 68 | BLACK_TOP | -10 | 1.20 | 1.30 | 1.45 | 4.3 | 4.7 | 5.2 | 2.7 | 2.9 | 3.2 |
| Clear_Sky | 95 | 20 | 68 | BLACK_TOP | -5 | 1.30 | 1.40 | 1.55 | 4.7 | 5.0 | 5.6 | 2.9 | 3.1 | 3.5 |
| Clear_Sky | 95 | 20 | 68 | BLACK_TOP | 0 | 1.40 | 1.50 | 1.65 | 5.0 | 5.4 | 5.9 | 3.1 | 3.4 | 3.7 |
| Clear_Sky | 95 | 20 | 68 | BLACK_TOP | 5 | 0.95 | 1.05 | 1.20 | 3.4 | 3.8 | 4.3 | 2.1 | 2.4 | 2.7 |
| Clear_Sky | 95 | 20 | 68 | BLACK_TOP | 10 | 0.65 | 0.75 | 0.85 | 2.3 | 2.7 | 3.1 | 1.5 | 1.7 | 1.9 |
| Clear_Sky | 95 | 20 | 68 | BLACK_TOP | 15 | 0.50 | 0.55 | 0.65 | 1.8 | 2.0 | 2.3 | 1.1 | 1.2 | 1.5 |
| Clear_Sky | 95 | 20 | 68 | BLACK_TOP | 20 | 0.40 | 0.45 | 0.50 | 1.4 | 1.6 | 1.8 | 0.9 | 1.0 | 1.1 |
| Clear_Sky | 95 | 20 | 68 | BLACK_TOP | 30 | 0.25 | 0.30 | 0.35 | 0.9 | 1.1 | 1.3 | 0.6 | 0.7 | 0.8 |
| Clear_Sky | 95 | 20 | 68 | BLACK_TOP | 40 | 0.20 | 0.20 | 0.25 | 0.7 | 0.7 | 0.9 | 0.4 | 0.4 | 0.6 |
| Clear_Sky | 95 | 20 | 68 | BLACK_TOP | 50 | 0.15 | 0.15 | 0.20 | 0.5 | 0.5 | 0.7 | 0.3 | 0.3 | 0.4 |
| Clear_Sky | 95 | 20 | 68 | DIRT_ROAD | -50 | 0.60 | 0.70 | 0.80 | 2.2 | 2.5 | 2.9 | 1.3 | 1.6 | 1.8 |
| Clear_Sky | 95 | 20 | 68 | DIRT_ROAD | -40 | 0.70 | 0.80 | 0.90 | 2.5 | 2.9 | 3.2 | 1.6 | 1.8 | 2.0 |
| Clear_Sky | 95 | 20 | 68 | DIRT_ROAD | -30 | 0.80 | 0.90 | 1.05 | 2.9 | 3.2 | 3.8 | 1.8 | 2.0 | 2.4 |
| Clear_Sky | 95 | 20 | 68 | DIRT_ROAD | -20 | 0.95 | 1.05 | 1.20 | 3.4 | 3.8 | 4.3 | 2.1 | 2.4 | 2.7 |
| Clear_Sky | 95 | 20 | 68 | DIRT_ROAD | -15 | 1.05 | 1.15 | 1.25 | 3.8 | 4.1 | 4.5 | 2.4 | 2.6 | 2.8 |
| Clear_Sky | 95 | 20 | 68 | DIRT_ROAD | -10 | 1.15 | 1.20 | 1.35 | 4.1 | 4.3 | 4.9 | 2.6 | 2.7 | 3.0 |
| Clear_Sky | 95 | 20 | 68 | DIRT_ROAD | -5 | 1.25 | 1.35 | 1.45 | 4.5 | 4.9 | 5.2 | 2.8 | 3.0 | 3.2 |
| Clear_Sky | 95 | 20 | 68 | DIRT_ROAD | 0 | 1.35 | 1.45 | 1.60 | 4.9 | 5.2 | 5.8 | 3.0 | 3.2 | 3.6 |
| Clear_Sky | 95 | 20 | 68 | DIRT_ROAD | 5 | 0.90 | 0.95 | 1.10 | 3.2 | 3.4 | 4.0 | 2.0 | 2.1 | 2.5 |
| Clear_Sky | 95 | 20 | 68 | DIRT_ROAD | 10 | 0.60 | 0.70 | 0.80 | 2.2 | 2.5 | 2.9 | 1.3 | 1.6 | 1.8 |
| Clear_Sky | 95 | 20 | 68 | DIRT_ROAD | 15 | 0.45 | 0.50 | 0.60 | 1.6 | 1.8 | 2.2 | 1.0 | 1.1 | 1.3 |
| Clear_Sky | 95 | 20 | 68 | DIRT_ROAD | 20 | 0.35 | 0.40 | 0.50 | 1.3 | 1.4 | 1.8 | 0.8 | 0.9 | 1.1 |
| Clear_Sky | 95 | 20 | 68 | DIRT_ROAD | 30 | 0.25 | 0.25 | 0.35 | 0.9 | 0.9 | 1.3 | 0.6 | 0.6 | 0.8 |
| Clear_Sky | 95 | 20 | 68 | DIRT_ROAD | 40 | 0.15 | 0.20 | 0.25 | 0.5 | 0.7 | 0.9 | 0.3 | 0.4 | 0.6 |
| Clear_Sky | 95 | 20 | 68 | DIRT_ROAD | 50 | 0.15 | 0.15 | 0.20 | 0.5 | 0.5 | 0.7 | 0.3 | 0.3 | 0.4 |
| Clear_Sky | 95 | 20 | 68 | LOOSE_SAND | -50 | 0.35 | 0.40 | 0.45 | 1.3 | 1.4 | 1.6 | 0.8 | 0.9 | 1.0 |
| Clear_Sky | 95 | 20 | 68 | LOOSE_SAND | -40 | 0.40 | 0.45 | 0.55 | 1.4 | 1.6 | 2.0 | 0.9 | 1.0 | 1.2 |
| Clear_Sky | 95 | 20 | 68 | LOOSE_SAND | -30 | 0.50 | 0.55 | 0.65 | 1.8 | 2.0 | 2.3 | 1.1 | 1.2 | 1.5 |
| Clear_Sky | 95 | 20 | 68 | LOOSE_SAND | -20 | 0.60 | 0.65 | 0.75 | 2.2 | 2.3 | 2.7 | 1.3 | 1.5 | 1.7 |
| Clear_Sky | 95 | 20 | 68 | LOOSE_SAND | -15 | 0.70 | 0.75 | 0.85 | 2.5 | 2.7 | 3.1 | 1.6 | 1.7 | 1.9 |
| Clear_Sky | 95 | 20 | 68 | LOOSE_SAND | -10 | 0.75 | 0.85 | 0.95 | 2.7 | 3.1 | 3.4 | 1.7 | 1.9 | 2.1 |
| Clear_Sky | 95 | 20 | 68 | LOOSE_SAND | -5 | 0.85 | 0.90 | 1.05 | 3.1 | 3.2 | 3.8 | 1.9 | 2.0 | 2.4 |
| Clear_Sky | 95 | 20 | 68 | LOOSE_SAND | 0 | 0.95 | 1.05 | 1.15 | 3.4 | 3.8 | 4.1 | 2.1 | 2.4 | 2.6 |
| Clear_Sky | 95 | 20 | 68 | LOOSE_SAND | 5 | 0.55 | 0.60 | 0.70 | 2.0 | 2.2 | 2.5 | 1.2 | 1.3 | 1.6 |
| Clear_Sky | 95 | 20 | 68 | LOOSE_SAND | 10 | 0.35 | 0.40 | 0.45 | 1.3 | 1.4 | 1.6 | 0.8 | 0.9 | 1.0 |
| Clear_Sky | 95 | 20 | 68 | LOOSE_SAND | 15 | 0.25 | 0.25 | 0.35 | 0.9 | 0.9 | 1.3 | 0.6 | 0.6 | 0.8 |
| Clear_Sky | 95 | 20 | 68 | LOOSE_SAND | 20 | 0.20 | 0.20 | 0.25 | 0.7 | 0.7 | 0.9 | 0.4 | 0.4 | 0.6 |
| Clear_Sky | 95 | 20 | 68 | LOOSE_SAND | 30 | 0.10 | 0.15 | 0.15 | 0.4 | 0.5 | 0.5 | 0.2 | 0.3 | 0.3 |
| Clear_Sky | 95 | 20 | 68 | LOOSE_SAND | 40 | 0.10 | 0.10 | 0.10 | 0.4 | 0.4 | 0.4 | 0.2 | 0.2 | 0.2 |
| Clear_Sky | 95 | 20 | 68 | LOOSE_SAND | 50 | 0.05 | 0.05 | 0.10 | 0.2 | 0.2 | 0.4 | 0.1 | 0.1 | 0.2 |

Table D-33. Maximum Sustainable Speed, Clear Sky, 95% Humidity, 25°C (77°F)

| Cloud Cover | RH (%) | °C | °F | Terrain Type | Grade (%) | Max Sustainable Speed (meters/second) | | | Max Sustainable Speed (kilometers/hour) | | | Max Sustainable Speed (miles/hour) | | |
|-------------|--------|----|----|--------------|-----------|---------------------------------------|------|------|---|-----|------|------------------------------------|-----|------|
| | | | | | | Risk Level | | | Risk Level | | | Risk Level | | |
| | | | | | | Low | Mod | High | Low | Mod | High | Low | Mod | High |
| Clear_Sky | 95 | 25 | 77 | BLACK_TOP | -50 | 0.40 | 0.45 | 0.55 | 1.4 | 1.6 | 2.0 | 0.9 | 1.0 | 1.2 |
| Clear_Sky | 95 | 25 | 77 | BLACK_TOP | -40 | 0.45 | 0.55 | 0.65 | 1.6 | 2.0 | 2.3 | 1.0 | 1.2 | 1.5 |
| Clear_Sky | 95 | 25 | 77 | BLACK_TOP | -30 | 0.55 | 0.65 | 0.75 | 2.0 | 2.3 | 2.7 | 1.2 | 1.5 | 1.7 |
| Clear_Sky | 95 | 25 | 77 | BLACK_TOP | -20 | 0.65 | 0.75 | 0.90 | 2.3 | 2.7 | 3.2 | 1.5 | 1.7 | 2.0 |
| Clear_Sky | 95 | 25 | 77 | BLACK_TOP | -15 | 0.75 | 0.85 | 1.00 | 2.7 | 3.1 | 3.6 | 1.7 | 1.9 | 2.2 |
| Clear_Sky | 95 | 25 | 77 | BLACK_TOP | -10 | 0.85 | 0.90 | 1.10 | 3.1 | 3.2 | 4.0 | 1.9 | 2.0 | 2.5 |
| Clear_Sky | 95 | 25 | 77 | BLACK_TOP | -5 | 0.95 | 1.00 | 1.20 | 3.4 | 3.6 | 4.3 | 2.1 | 2.2 | 2.7 |
| Clear_Sky | 95 | 25 | 77 | BLACK_TOP | 0 | 1.05 | 1.15 | 1.30 | 3.8 | 4.1 | 4.7 | 2.4 | 2.6 | 2.9 |
| Clear_Sky | 95 | 25 | 77 | BLACK_TOP | 5 | 0.60 | 0.70 | 0.85 | 2.2 | 2.5 | 3.1 | 1.3 | 1.6 | 1.9 |
| Clear_Sky | 95 | 25 | 77 | BLACK_TOP | 10 | 0.40 | 0.45 | 0.55 | 1.4 | 1.6 | 2.0 | 0.9 | 1.0 | 1.2 |
| Clear_Sky | 95 | 25 | 77 | BLACK_TOP | 15 | 0.25 | 0.30 | 0.40 | 0.9 | 1.1 | 1.4 | 0.6 | 0.7 | 0.9 |
| Clear_Sky | 95 | 25 | 77 | BLACK_TOP | 20 | 0.20 | 0.25 | 0.30 | 0.7 | 0.9 | 1.1 | 0.4 | 0.6 | 0.7 |
| Clear_Sky | 95 | 25 | 77 | BLACK_TOP | 30 | 0.15 | 0.15 | 0.20 | 0.5 | 0.5 | 0.7 | 0.3 | 0.3 | 0.4 |
| Clear_Sky | 95 | 25 | 77 | BLACK_TOP | 40 | 0.10 | 0.10 | 0.15 | 0.4 | 0.4 | 0.5 | 0.2 | 0.2 | 0.3 |
| Clear_Sky | 95 | 25 | 77 | BLACK_TOP | 50 | 0.05 | 0.10 | 0.10 | 0.2 | 0.4 | 0.4 | 0.1 | 0.2 | 0.2 |
| Clear_Sky | 95 | 25 | 77 | DIRT_ROAD | -50 | 0.35 | 0.40 | 0.50 | 1.3 | 1.4 | 1.8 | 0.8 | 0.9 | 1.1 |
| Clear_Sky | 95 | 25 | 77 | DIRT_ROAD | -40 | 0.40 | 0.50 | 0.60 | 1.4 | 1.8 | 2.2 | 0.9 | 1.1 | 1.3 |
| Clear_Sky | 95 | 25 | 77 | DIRT_ROAD | -30 | 0.50 | 0.60 | 0.70 | 1.8 | 2.2 | 2.5 | 1.1 | 1.3 | 1.6 |
| Clear_Sky | 95 | 25 | 77 | DIRT_ROAD | -20 | 0.60 | 0.70 | 0.85 | 2.2 | 2.5 | 3.1 | 1.3 | 1.6 | 1.9 |
| Clear_Sky | 95 | 25 | 77 | DIRT_ROAD | -15 | 0.70 | 0.80 | 0.95 | 2.5 | 2.9 | 3.4 | 1.6 | 1.8 | 2.1 |
| Clear_Sky | 95 | 25 | 77 | DIRT_ROAD | -10 | 0.80 | 0.85 | 1.00 | 2.9 | 3.1 | 3.6 | 1.8 | 1.9 | 2.2 |
| Clear_Sky | 95 | 25 | 77 | DIRT_ROAD | -5 | 0.90 | 0.95 | 1.10 | 3.2 | 3.4 | 4.0 | 2.0 | 2.1 | 2.5 |
| Clear_Sky | 95 | 25 | 77 | DIRT_ROAD | 0 | 1.00 | 1.10 | 1.25 | 3.6 | 4.0 | 4.5 | 2.2 | 2.5 | 2.8 |
| Clear_Sky | 95 | 25 | 77 | DIRT_ROAD | 5 | 0.55 | 0.65 | 0.80 | 2.0 | 2.3 | 2.9 | 1.2 | 1.5 | 1.8 |
| Clear_Sky | 95 | 25 | 77 | DIRT_ROAD | 10 | 0.35 | 0.40 | 0.50 | 1.3 | 1.4 | 1.8 | 0.8 | 0.9 | 1.1 |
| Clear_Sky | 95 | 25 | 77 | DIRT_ROAD | 15 | 0.25 | 0.30 | 0.40 | 0.9 | 1.1 | 1.4 | 0.6 | 0.7 | 0.9 |
| Clear_Sky | 95 | 25 | 77 | DIRT_ROAD | 20 | 0.20 | 0.20 | 0.30 | 0.7 | 0.7 | 1.1 | 0.4 | 0.4 | 0.7 |
| Clear_Sky | 95 | 25 | 77 | DIRT_ROAD | 30 | 0.10 | 0.15 | 0.20 | 0.4 | 0.5 | 0.7 | 0.2 | 0.3 | 0.4 |
| Clear_Sky | 95 | 25 | 77 | DIRT_ROAD | 40 | 0.10 | 0.10 | 0.15 | 0.4 | 0.4 | 0.5 | 0.2 | 0.2 | 0.3 |
| Clear_Sky | 95 | 25 | 77 | DIRT_ROAD | 50 | 0.05 | 0.10 | 0.10 | 0.2 | 0.4 | 0.4 | 0.1 | 0.2 | 0.2 |
| Clear_Sky | 95 | 25 | 77 | LOOSE_SAND | -50 | 0.20 | 0.20 | 0.30 | 0.7 | 0.7 | 1.1 | 0.4 | 0.4 | 0.7 |
| Clear_Sky | 95 | 25 | 77 | LOOSE_SAND | -40 | 0.25 | 0.25 | 0.35 | 0.9 | 0.9 | 1.3 | 0.6 | 0.6 | 0.8 |
| Clear_Sky | 95 | 25 | 77 | LOOSE_SAND | -30 | 0.30 | 0.35 | 0.40 | 1.1 | 1.3 | 1.4 | 0.7 | 0.8 | 0.9 |
| Clear_Sky | 95 | 25 | 77 | LOOSE_SAND | -20 | 0.40 | 0.45 | 0.55 | 1.4 | 1.6 | 2.0 | 0.9 | 1.0 | 1.2 |
| Clear_Sky | 95 | 25 | 77 | LOOSE_SAND | -15 | 0.45 | 0.50 | 0.60 | 1.6 | 1.8 | 2.2 | 1.0 | 1.1 | 1.3 |
| Clear_Sky | 95 | 25 | 77 | LOOSE_SAND | -10 | 0.50 | 0.55 | 0.70 | 1.8 | 2.0 | 2.5 | 1.1 | 1.2 | 1.6 |
| Clear_Sky | 95 | 25 | 77 | LOOSE_SAND | -5 | 0.60 | 0.65 | 0.75 | 2.2 | 2.3 | 2.7 | 1.3 | 1.5 | 1.7 |
| Clear_Sky | 95 | 25 | 77 | LOOSE_SAND | 0 | 0.70 | 0.75 | 0.90 | 2.5 | 2.7 | 3.2 | 1.6 | 1.7 | 2.0 |
| Clear_Sky | 95 | 25 | 77 | LOOSE_SAND | 5 | 0.35 | 0.40 | 0.45 | 1.3 | 1.4 | 1.6 | 0.8 | 0.9 | 1.0 |
| Clear_Sky | 95 | 25 | 77 | LOOSE_SAND | 10 | 0.20 | 0.20 | 0.30 | 0.7 | 0.7 | 1.1 | 0.4 | 0.4 | 0.7 |
| Clear_Sky | 95 | 25 | 77 | LOOSE_SAND | 15 | 0.10 | 0.15 | 0.20 | 0.4 | 0.5 | 0.7 | 0.2 | 0.3 | 0.4 |
| Clear_Sky | 95 | 25 | 77 | LOOSE_SAND | 20 | 0.10 | 0.10 | 0.15 | 0.4 | 0.4 | 0.5 | 0.2 | 0.2 | 0.3 |
| Clear_Sky | 95 | 25 | 77 | LOOSE_SAND | 30 | 0.05 | 0.05 | 0.10 | 0.2 | 0.2 | 0.4 | 0.1 | 0.1 | 0.2 |
| Clear_Sky | 95 | 25 | 77 | LOOSE_SAND | 40 | 0.05 | 0.05 | 0.05 | 0.2 | 0.2 | 0.2 | 0.1 | 0.1 | 0.1 |
| Clear_Sky | 95 | 25 | 77 | LOOSE_SAND | 50 | 0.00 | 0.05 | 0.05 | 0.0 | 0.2 | 0.2 | 0.0 | 0.1 | 0.1 |

Table D-34. Maximum Sustainable Speed, Clear Sky, 95% Humidity, 30°C (86°F)

| Cloud Cover | RH (%) | °C | °F | Terrain Type | Grade (%) | Max Sustainable Speed (meters/second) | | | Max Sustainable Speed (kilometers/hour) | | | Max Sustainable Speed (miles/hour) | | |
|-------------|--------|----|----|--------------|-----------|---------------------------------------|------|------|---|-----|------|------------------------------------|-----|------|
| | | | | | | Risk Level | | | Risk Level | | | Risk Level | | |
| | | | | | | Low | Mod | High | Low | Mod | High | Low | Mod | High |
| Clear_Sky | 95 | 30 | 86 | BLACK_TOP | -50 | 0.00 | 0.05 | 0.20 | 0.0 | 0.2 | 0.7 | 0.0 | 0.1 | 0.4 |
| Clear_Sky | 95 | 30 | 86 | BLACK_TOP | -40 | 0.00 | 0.10 | 0.25 | 0.0 | 0.4 | 0.9 | 0.0 | 0.2 | 0.6 |
| Clear_Sky | 95 | 30 | 86 | BLACK_TOP | -30 | 0.00 | 0.10 | 0.30 | 0.0 | 0.4 | 1.1 | 0.0 | 0.2 | 0.7 |
| Clear_Sky | 95 | 30 | 86 | BLACK_TOP | -20 | 0.05 | 0.20 | 0.40 | 0.2 | 0.7 | 1.4 | 0.1 | 0.4 | 0.9 |
| Clear_Sky | 95 | 30 | 86 | BLACK_TOP | -15 | 0.05 | 0.20 | 0.45 | 0.2 | 0.7 | 1.6 | 0.1 | 0.4 | 1.0 |
| Clear_Sky | 95 | 30 | 86 | BLACK_TOP | -10 | 0.10 | 0.30 | 0.50 | 0.4 | 1.1 | 1.8 | 0.2 | 0.7 | 1.1 |
| Clear_Sky | 95 | 30 | 86 | BLACK_TOP | -5 | 0.15 | 0.35 | 0.60 | 0.5 | 1.3 | 2.2 | 0.3 | 0.8 | 1.3 |
| Clear_Sky | 95 | 30 | 86 | BLACK_TOP | 0 | 0.25 | 0.45 | 0.70 | 0.9 | 1.6 | 2.5 | 0.6 | 1.0 | 1.6 |
| Clear_Sky | 95 | 30 | 86 | BLACK_TOP | 5 | 0.05 | 0.15 | 0.35 | 0.2 | 0.5 | 1.3 | 0.1 | 0.3 | 0.8 |
| Clear_Sky | 95 | 30 | 86 | BLACK_TOP | 10 | 0.00 | 0.05 | 0.20 | 0.0 | 0.2 | 0.7 | 0.0 | 0.1 | 0.4 |
| Clear_Sky | 95 | 30 | 86 | BLACK_TOP | 15 | 0.00 | 0.05 | 0.10 | 0.0 | 0.2 | 0.4 | 0.0 | 0.1 | 0.2 |
| Clear_Sky | 95 | 30 | 86 | BLACK_TOP | 20 | 0.00 | 0.00 | 0.10 | 0.0 | 0.0 | 0.4 | 0.0 | 0.0 | 0.2 |
| Clear_Sky | 95 | 30 | 86 | BLACK_TOP | 30 | 0.00 | 0.00 | 0.05 | 0.0 | 0.0 | 0.2 | 0.0 | 0.0 | 0.1 |
| Clear_Sky | 95 | 30 | 86 | BLACK_TOP | 40 | 0.00 | 0.00 | 0.05 | 0.0 | 0.0 | 0.2 | 0.0 | 0.0 | 0.1 |
| Clear_Sky | 95 | 30 | 86 | BLACK_TOP | 50 | 0.00 | 0.00 | 0.00 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Clear_Sky | 95 | 30 | 86 | DIRT_ROAD | -50 | 0.00 | 0.05 | 0.15 | 0.0 | 0.2 | 0.5 | 0.0 | 0.1 | 0.3 |
| Clear_Sky | 95 | 30 | 86 | DIRT_ROAD | -40 | 0.00 | 0.10 | 0.20 | 0.0 | 0.4 | 0.7 | 0.0 | 0.2 | 0.4 |
| Clear_Sky | 95 | 30 | 86 | DIRT_ROAD | -30 | 0.00 | 0.10 | 0.25 | 0.0 | 0.4 | 0.9 | 0.0 | 0.2 | 0.6 |
| Clear_Sky | 95 | 30 | 86 | DIRT_ROAD | -20 | 0.05 | 0.15 | 0.35 | 0.2 | 0.5 | 1.3 | 0.1 | 0.3 | 0.8 |
| Clear_Sky | 95 | 30 | 86 | DIRT_ROAD | -15 | 0.05 | 0.20 | 0.40 | 0.2 | 0.7 | 1.4 | 0.1 | 0.4 | 0.9 |
| Clear_Sky | 95 | 30 | 86 | DIRT_ROAD | -10 | 0.10 | 0.25 | 0.50 | 0.4 | 0.9 | 1.8 | 0.2 | 0.6 | 1.1 |
| Clear_Sky | 95 | 30 | 86 | DIRT_ROAD | -5 | 0.15 | 0.35 | 0.55 | 0.5 | 1.3 | 2.0 | 0.3 | 0.8 | 1.2 |
| Clear_Sky | 95 | 30 | 86 | DIRT_ROAD | 0 | 0.25 | 0.45 | 0.65 | 0.9 | 1.6 | 2.3 | 0.6 | 1.0 | 1.5 |
| Clear_Sky | 95 | 30 | 86 | DIRT_ROAD | 5 | 0.05 | 0.15 | 0.30 | 0.2 | 0.5 | 1.1 | 0.1 | 0.3 | 0.7 |
| Clear_Sky | 95 | 30 | 86 | DIRT_ROAD | 10 | 0.00 | 0.05 | 0.15 | 0.0 | 0.2 | 0.5 | 0.0 | 0.1 | 0.3 |
| Clear_Sky | 95 | 30 | 86 | DIRT_ROAD | 15 | 0.00 | 0.05 | 0.10 | 0.0 | 0.2 | 0.4 | 0.0 | 0.1 | 0.2 |
| Clear_Sky | 95 | 30 | 86 | DIRT_ROAD | 20 | 0.00 | 0.00 | 0.10 | 0.0 | 0.0 | 0.4 | 0.0 | 0.0 | 0.2 |
| Clear_Sky | 95 | 30 | 86 | DIRT_ROAD | 30 | 0.00 | 0.00 | 0.05 | 0.0 | 0.0 | 0.2 | 0.0 | 0.0 | 0.1 |
| Clear_Sky | 95 | 30 | 86 | DIRT_ROAD | 40 | 0.00 | 0.00 | 0.05 | 0.0 | 0.0 | 0.2 | 0.0 | 0.0 | 0.1 |
| Clear_Sky | 95 | 30 | 86 | DIRT_ROAD | 50 | 0.00 | 0.00 | 0.00 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Clear_Sky | 95 | 30 | 86 | LOOSE_SAND | -50 | 0.00 | 0.00 | 0.10 | 0.0 | 0.0 | 0.4 | 0.0 | 0.0 | 0.2 |
| Clear_Sky | 95 | 30 | 86 | LOOSE_SAND | -40 | 0.00 | 0.05 | 0.10 | 0.0 | 0.2 | 0.4 | 0.0 | 0.1 | 0.2 |
| Clear_Sky | 95 | 30 | 86 | LOOSE_SAND | -30 | 0.00 | 0.05 | 0.15 | 0.0 | 0.2 | 0.5 | 0.0 | 0.1 | 0.3 |
| Clear_Sky | 95 | 30 | 86 | LOOSE_SAND | -20 | 0.00 | 0.10 | 0.20 | 0.0 | 0.4 | 0.7 | 0.0 | 0.2 | 0.4 |
| Clear_Sky | 95 | 30 | 86 | LOOSE_SAND | -15 | 0.00 | 0.10 | 0.25 | 0.0 | 0.4 | 0.9 | 0.0 | 0.2 | 0.6 |
| Clear_Sky | 95 | 30 | 86 | LOOSE_SAND | -10 | 0.05 | 0.15 | 0.30 | 0.2 | 0.5 | 1.1 | 0.1 | 0.3 | 0.7 |
| Clear_Sky | 95 | 30 | 86 | LOOSE_SAND | -5 | 0.05 | 0.20 | 0.40 | 0.2 | 0.7 | 1.4 | 0.1 | 0.4 | 0.9 |
| Clear_Sky | 95 | 30 | 86 | LOOSE_SAND | 0 | 0.15 | 0.30 | 0.50 | 0.5 | 1.1 | 1.8 | 0.3 | 0.7 | 1.1 |
| Clear_Sky | 95 | 30 | 86 | LOOSE_SAND | 5 | 0.00 | 0.05 | 0.15 | 0.0 | 0.2 | 0.5 | 0.0 | 0.1 | 0.3 |
| Clear_Sky | 95 | 30 | 86 | LOOSE_SAND | 10 | 0.00 | 0.00 | 0.10 | 0.0 | 0.0 | 0.4 | 0.0 | 0.0 | 0.2 |
| Clear_Sky | 95 | 30 | 86 | LOOSE_SAND | 15 | 0.00 | 0.00 | 0.05 | 0.0 | 0.0 | 0.2 | 0.0 | 0.0 | 0.1 |
| Clear_Sky | 95 | 30 | 86 | LOOSE_SAND | 20 | 0.00 | 0.00 | 0.05 | 0.0 | 0.0 | 0.2 | 0.0 | 0.0 | 0.1 |
| Clear_Sky | 95 | 30 | 86 | LOOSE_SAND | 30 | 0.00 | 0.00 | 0.00 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Clear_Sky | 95 | 30 | 86 | LOOSE_SAND | 40 | 0.00 | 0.00 | 0.00 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Clear_Sky | 95 | 30 | 86 | LOOSE_SAND | 50 | 0.00 | 0.00 | 0.00 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

Table D-35. Maximum Sustainable Speed, Clear Sky, 95% Humidity, 35°C (95°F)

| Cloud Cover | RH (%) | °C | °F | Terrain Type | Grade (%) | Max Sustainable Speed (meters/second) | | | Max Sustainable Speed (kilometers/hour) | | | Max Sustainable Speed (miles/hour) | | |
|-------------|--------|----|----|--------------|-----------|---------------------------------------|------|------|---|-----|------|------------------------------------|-----|------|
| | | | | | | Risk Level | | | Risk Level | | | Risk Level | | |
| | | | | | | Low | Mod | High | Low | Mod | High | Low | Mod | High |
| Clear_Sky | 95 | 35 | 95 | BLACK_TOP | -50 | 0.00 | 0.00 | 0.00 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Clear_Sky | 95 | 35 | 95 | BLACK_TOP | -40 | 0.00 | 0.00 | 0.00 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Clear_Sky | 95 | 35 | 95 | BLACK_TOP | -30 | 0.00 | 0.00 | 0.00 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Clear_Sky | 95 | 35 | 95 | BLACK_TOP | -20 | 0.00 | 0.00 | 0.00 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Clear_Sky | 95 | 35 | 95 | BLACK_TOP | -15 | 0.00 | 0.00 | 0.00 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Clear_Sky | 95 | 35 | 95 | BLACK_TOP | -10 | 0.00 | 0.00 | 0.00 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Clear_Sky | 95 | 35 | 95 | BLACK_TOP | -5 | 0.00 | 0.00 | 0.00 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Clear_Sky | 95 | 35 | 95 | BLACK_TOP | 0 | 0.00 | 0.00 | 0.00 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Clear_Sky | 95 | 35 | 95 | BLACK_TOP | 5 | 0.00 | 0.00 | 0.00 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Clear_Sky | 95 | 35 | 95 | BLACK_TOP | 10 | 0.00 | 0.00 | 0.00 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Clear_Sky | 95 | 35 | 95 | BLACK_TOP | 15 | 0.00 | 0.00 | 0.00 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Clear_Sky | 95 | 35 | 95 | BLACK_TOP | 20 | 0.00 | 0.00 | 0.00 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Clear_Sky | 95 | 35 | 95 | BLACK_TOP | 30 | 0.00 | 0.00 | 0.00 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Clear_Sky | 95 | 35 | 95 | BLACK_TOP | 40 | 0.00 | 0.00 | 0.00 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Clear_Sky | 95 | 35 | 95 | BLACK_TOP | 50 | 0.00 | 0.00 | 0.00 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Clear_Sky | 95 | 35 | 95 | DIRT_ROAD | -50 | 0.00 | 0.00 | 0.00 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Clear_Sky | 95 | 35 | 95 | DIRT_ROAD | -40 | 0.00 | 0.00 | 0.00 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Clear_Sky | 95 | 35 | 95 | DIRT_ROAD | -30 | 0.00 | 0.00 | 0.00 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Clear_Sky | 95 | 35 | 95 | DIRT_ROAD | -20 | 0.00 | 0.00 | 0.00 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Clear_Sky | 95 | 35 | 95 | DIRT_ROAD | -15 | 0.00 | 0.00 | 0.00 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Clear_Sky | 95 | 35 | 95 | DIRT_ROAD | -10 | 0.00 | 0.00 | 0.00 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Clear_Sky | 95 | 35 | 95 | DIRT_ROAD | -5 | 0.00 | 0.00 | 0.00 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Clear_Sky | 95 | 35 | 95 | DIRT_ROAD | 0 | 0.00 | 0.00 | 0.00 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Clear_Sky | 95 | 35 | 95 | DIRT_ROAD | 5 | 0.00 | 0.00 | 0.00 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Clear_Sky | 95 | 35 | 95 | DIRT_ROAD | 10 | 0.00 | 0.00 | 0.00 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Clear_Sky | 95 | 35 | 95 | DIRT_ROAD | 15 | 0.00 | 0.00 | 0.00 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Clear_Sky | 95 | 35 | 95 | DIRT_ROAD | 20 | 0.00 | 0.00 | 0.00 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Clear_Sky | 95 | 35 | 95 | DIRT_ROAD | 30 | 0.00 | 0.00 | 0.00 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Clear_Sky | 95 | 35 | 95 | DIRT_ROAD | 40 | 0.00 | 0.00 | 0.00 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Clear_Sky | 95 | 35 | 95 | DIRT_ROAD | 50 | 0.00 | 0.00 | 0.00 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Clear_Sky | 95 | 35 | 95 | LOOSE_SAND | -50 | 0.00 | 0.00 | 0.00 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Clear_Sky | 95 | 35 | 95 | LOOSE_SAND | -40 | 0.00 | 0.00 | 0.00 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Clear_Sky | 95 | 35 | 95 | LOOSE_SAND | -30 | 0.00 | 0.00 | 0.00 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Clear_Sky | 95 | 35 | 95 | LOOSE_SAND | -20 | 0.00 | 0.00 | 0.00 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Clear_Sky | 95 | 35 | 95 | LOOSE_SAND | -15 | 0.00 | 0.00 | 0.00 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Clear_Sky | 95 | 35 | 95 | LOOSE_SAND | -10 | 0.00 | 0.00 | 0.00 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Clear_Sky | 95 | 35 | 95 | LOOSE_SAND | -5 | 0.00 | 0.00 | 0.00 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Clear_Sky | 95 | 35 | 95 | LOOSE_SAND | 0 | 0.00 | 0.00 | 0.00 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Clear_Sky | 95 | 35 | 95 | LOOSE_SAND | 5 | 0.00 | 0.00 | 0.00 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Clear_Sky | 95 | 35 | 95 | LOOSE_SAND | 10 | 0.00 | 0.00 | 0.00 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Clear_Sky | 95 | 35 | 95 | LOOSE_SAND | 15 | 0.00 | 0.00 | 0.00 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Clear_Sky | 95 | 35 | 95 | LOOSE_SAND | 20 | 0.00 | 0.00 | 0.00 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Clear_Sky | 95 | 35 | 95 | LOOSE_SAND | 30 | 0.00 | 0.00 | 0.00 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Clear_Sky | 95 | 35 | 95 | LOOSE_SAND | 40 | 0.00 | 0.00 | 0.00 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Clear_Sky | 95 | 35 | 95 | LOOSE_SAND | 50 | 0.00 | 0.00 | 0.00 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

Appendix E

Maximum Sustainable Speed Tables, Cloudy

Table E-1. Maximum Sustainable Speed, Cloudy, 5% Humidity, 5°C (41°F)

| Cloud Cover | RH (%) | °C | °F | Terrain Type | Grade (%) | Max Sustainable Speed (meters/second) | | | Max Sustainable Speed (kilometers/hour) | | | Max Sustainable Speed (miles/hour) | | |
|-------------|--------|----|----|--------------|-----------|---------------------------------------|------|------|---|-----|------|------------------------------------|-----|------|
| | | | | | | Risk Level | | | Risk Level | | | Risk Level | | |
| | | | | | | Low | Mod | High | Low | Mod | High | Low | Mod | High |
| Cloudy | 5 | 5 | 41 | BLACK_TOP | -50 | 1.05 | 1.30 | 1.60 | 3.8 | 4.7 | 5.8 | 2.4 | 2.9 | 3.6 |
| Cloudy | 5 | 5 | 41 | BLACK_TOP | -40 | 1.20 | 1.45 | 1.75 | 4.3 | 5.2 | 6.3 | 2.7 | 3.2 | 3.9 |
| Cloudy | 5 | 5 | 41 | BLACK_TOP | -30 | 1.35 | 1.60 | 1.90 | 4.9 | 5.8 | 6.8 | 3.0 | 3.6 | 4.3 |
| Cloudy | 5 | 5 | 41 | BLACK_TOP | -20 | 1.50 | 1.75 | 2.10 | 5.4 | 6.3 | 7.6 | 3.4 | 3.9 | 4.7 |
| Cloudy | 5 | 5 | 41 | BLACK_TOP | -15 | 1.60 | 1.85 | 2.20 | 5.8 | 6.7 | 7.9 | 3.6 | 4.1 | 4.9 |
| Cloudy | 5 | 5 | 41 | BLACK_TOP | -10 | 1.70 | 1.95 | 2.30 | 6.1 | 7.0 | 8.3 | 3.8 | 4.4 | 5.2 |
| Cloudy | 5 | 5 | 41 | BLACK_TOP | -5 | 1.80 | 2.10 | 2.40 | 6.5 | 7.6 | 8.6 | 4.0 | 4.7 | 5.4 |
| Cloudy | 5 | 5 | 41 | BLACK_TOP | 0 | 1.90 | 2.20 | 2.50 | 6.8 | 7.9 | 9.0 | 4.3 | 4.9 | 5.6 |
| Cloudy | 5 | 5 | 41 | BLACK_TOP | 5 | 1.40 | 1.70 | 2.00 | 5.0 | 6.1 | 7.2 | 3.1 | 3.8 | 4.5 |
| Cloudy | 5 | 5 | 41 | BLACK_TOP | 10 | 1.05 | 1.30 | 1.60 | 3.8 | 4.7 | 5.8 | 2.4 | 2.9 | 3.6 |
| Cloudy | 5 | 5 | 41 | BLACK_TOP | 15 | 0.85 | 1.05 | 1.30 | 3.1 | 3.8 | 4.7 | 1.9 | 2.4 | 2.9 |
| Cloudy | 5 | 5 | 41 | BLACK_TOP | 20 | 0.65 | 0.85 | 1.10 | 2.3 | 3.1 | 4.0 | 1.5 | 1.9 | 2.5 |
| Cloudy | 5 | 5 | 41 | BLACK_TOP | 30 | 0.45 | 0.60 | 0.80 | 1.6 | 2.2 | 2.9 | 1.0 | 1.3 | 1.8 |
| Cloudy | 5 | 5 | 41 | BLACK_TOP | 40 | 0.35 | 0.50 | 0.65 | 1.3 | 1.8 | 2.3 | 0.8 | 1.1 | 1.5 |
| Cloudy | 5 | 5 | 41 | BLACK_TOP | 50 | 0.30 | 0.40 | 0.50 | 1.1 | 1.4 | 1.8 | 0.7 | 0.9 | 1.1 |
| Cloudy | 5 | 5 | 41 | DIRT_ROAD | -50 | 1.00 | 1.20 | 1.50 | 3.6 | 4.3 | 5.4 | 2.2 | 2.7 | 3.4 |
| Cloudy | 5 | 5 | 41 | DIRT_ROAD | -40 | 1.10 | 1.35 | 1.65 | 4.0 | 4.9 | 5.9 | 2.5 | 3.0 | 3.7 |
| Cloudy | 5 | 5 | 41 | DIRT_ROAD | -30 | 1.25 | 1.50 | 1.80 | 4.5 | 5.4 | 6.5 | 2.8 | 3.4 | 4.0 |
| Cloudy | 5 | 5 | 41 | DIRT_ROAD | -20 | 1.40 | 1.65 | 2.00 | 5.0 | 5.9 | 7.2 | 3.1 | 3.7 | 4.5 |
| Cloudy | 5 | 5 | 41 | DIRT_ROAD | -15 | 1.50 | 1.75 | 2.10 | 5.4 | 6.3 | 7.6 | 3.4 | 3.9 | 4.7 |
| Cloudy | 5 | 5 | 41 | DIRT_ROAD | -10 | 1.60 | 1.85 | 2.20 | 5.8 | 6.7 | 7.9 | 3.6 | 4.1 | 4.9 |
| Cloudy | 5 | 5 | 41 | DIRT_ROAD | -5 | 1.70 | 2.00 | 2.30 | 6.1 | 7.2 | 8.3 | 3.8 | 4.5 | 5.2 |
| Cloudy | 5 | 5 | 41 | DIRT_ROAD | 0 | 1.80 | 2.10 | 2.40 | 6.5 | 7.6 | 8.6 | 4.0 | 4.7 | 5.4 |
| Cloudy | 5 | 5 | 41 | DIRT_ROAD | 5 | 1.30 | 1.60 | 1.90 | 4.7 | 5.8 | 6.8 | 2.9 | 3.6 | 4.3 |
| Cloudy | 5 | 5 | 41 | DIRT_ROAD | 10 | 1.00 | 1.20 | 1.50 | 3.6 | 4.3 | 5.4 | 2.2 | 2.7 | 3.4 |
| Cloudy | 5 | 5 | 41 | DIRT_ROAD | 15 | 0.75 | 0.95 | 1.20 | 2.7 | 3.4 | 4.3 | 1.7 | 2.1 | 2.7 |
| Cloudy | 5 | 5 | 41 | DIRT_ROAD | 20 | 0.60 | 0.80 | 1.00 | 2.2 | 2.9 | 3.6 | 1.3 | 1.8 | 2.2 |
| Cloudy | 5 | 5 | 41 | DIRT_ROAD | 30 | 0.45 | 0.55 | 0.75 | 1.6 | 2.0 | 2.7 | 1.0 | 1.2 | 1.7 |
| Cloudy | 5 | 5 | 41 | DIRT_ROAD | 40 | 0.30 | 0.45 | 0.55 | 1.1 | 1.6 | 2.0 | 0.7 | 1.0 | 1.2 |
| Cloudy | 5 | 5 | 41 | DIRT_ROAD | 50 | 0.25 | 0.35 | 0.45 | 0.9 | 1.3 | 1.6 | 0.6 | 0.8 | 1.0 |
| Cloudy | 5 | 5 | 41 | LOOSE_SAND | -50 | 0.60 | 0.75 | 0.90 | 2.2 | 2.7 | 3.2 | 1.3 | 1.7 | 2.0 |
| Cloudy | 5 | 5 | 41 | LOOSE_SAND | -40 | 0.65 | 0.85 | 1.05 | 2.3 | 3.1 | 3.8 | 1.5 | 1.9 | 2.4 |
| Cloudy | 5 | 5 | 41 | LOOSE_SAND | -30 | 0.80 | 0.95 | 1.15 | 2.9 | 3.4 | 4.1 | 1.8 | 2.1 | 2.6 |
| Cloudy | 5 | 5 | 41 | LOOSE_SAND | -20 | 0.90 | 1.10 | 1.35 | 3.2 | 4.0 | 4.9 | 2.0 | 2.5 | 3.0 |
| Cloudy | 5 | 5 | 41 | LOOSE_SAND | -15 | 1.00 | 1.20 | 1.40 | 3.6 | 4.3 | 5.0 | 2.2 | 2.7 | 3.1 |
| Cloudy | 5 | 5 | 41 | LOOSE_SAND | -10 | 1.10 | 1.30 | 1.50 | 4.0 | 4.7 | 5.4 | 2.5 | 2.9 | 3.4 |
| Cloudy | 5 | 5 | 41 | LOOSE_SAND | -5 | 1.20 | 1.40 | 1.60 | 4.3 | 5.0 | 5.8 | 2.7 | 3.1 | 3.6 |
| Cloudy | 5 | 5 | 41 | LOOSE_SAND | 0 | 1.30 | 1.50 | 1.75 | 4.7 | 5.4 | 6.3 | 2.9 | 3.4 | 3.9 |
| Cloudy | 5 | 5 | 41 | LOOSE_SAND | 5 | 0.85 | 1.05 | 1.25 | 3.1 | 3.8 | 4.5 | 1.9 | 2.4 | 2.8 |
| Cloudy | 5 | 5 | 41 | LOOSE_SAND | 10 | 0.60 | 0.75 | 0.90 | 2.2 | 2.7 | 3.2 | 1.3 | 1.7 | 2.0 |
| Cloudy | 5 | 5 | 41 | LOOSE_SAND | 15 | 0.40 | 0.55 | 0.70 | 1.4 | 2.0 | 2.5 | 0.9 | 1.2 | 1.6 |
| Cloudy | 5 | 5 | 41 | LOOSE_SAND | 20 | 0.35 | 0.45 | 0.55 | 1.3 | 1.6 | 2.0 | 0.8 | 1.0 | 1.2 |
| Cloudy | 5 | 5 | 41 | LOOSE_SAND | 30 | 0.20 | 0.30 | 0.40 | 0.7 | 1.1 | 1.4 | 0.4 | 0.7 | 0.9 |
| Cloudy | 5 | 5 | 41 | LOOSE_SAND | 40 | 0.15 | 0.20 | 0.30 | 0.5 | 0.7 | 1.1 | 0.3 | 0.4 | 0.7 |
| Cloudy | 5 | 5 | 41 | LOOSE_SAND | 50 | 0.15 | 0.15 | 0.25 | 0.5 | 0.5 | 0.9 | 0.3 | 0.3 | 0.6 |

Table E-2. Maximum Sustainable Speed, Cloudy, 5% Humidity, 10°C (50°F)

| Cloud Cover | RH (%) | °C | °F | Terrain Type | Grade (%) | Max Sustainable Speed (meters/second) | | | Max Sustainable Speed (kilometers/hour) | | | Max Sustainable Speed (miles/hour) | | |
|-------------|--------|----|----|--------------|-----------|---------------------------------------|------|------|---|-----|------|------------------------------------|-----|------|
| | | | | | | Risk Level | | | Risk Level | | | Risk Level | | |
| | | | | | | Low | Mod | High | Low | Mod | High | Low | Mod | High |
| Cloudy | 5 | 10 | 50 | BLACK_TOP | -50 | 1.00 | 1.25 | 1.60 | 3.6 | 4.5 | 5.8 | 2.2 | 2.8 | 3.6 |
| Cloudy | 5 | 10 | 50 | BLACK_TOP | -40 | 1.10 | 1.35 | 1.75 | 4.0 | 4.9 | 6.3 | 2.5 | 3.0 | 3.9 |
| Cloudy | 5 | 10 | 50 | BLACK_TOP | -30 | 1.25 | 1.50 | 1.90 | 4.5 | 5.4 | 6.8 | 2.8 | 3.4 | 4.3 |
| Cloudy | 5 | 10 | 50 | BLACK_TOP | -20 | 1.40 | 1.70 | 2.10 | 5.0 | 6.1 | 7.6 | 3.1 | 3.8 | 4.7 |
| Cloudy | 5 | 10 | 50 | BLACK_TOP | -15 | 1.50 | 1.80 | 2.20 | 5.4 | 6.5 | 7.9 | 3.4 | 4.0 | 4.9 |
| Cloudy | 5 | 10 | 50 | BLACK_TOP | -10 | 1.60 | 1.90 | 2.30 | 5.8 | 6.8 | 8.3 | 3.6 | 4.3 | 5.2 |
| Cloudy | 5 | 10 | 50 | BLACK_TOP | -5 | 1.70 | 2.00 | 2.40 | 6.1 | 7.2 | 8.6 | 3.8 | 4.5 | 5.4 |
| Cloudy | 5 | 10 | 50 | BLACK_TOP | 0 | 1.85 | 2.10 | 2.50 | 6.7 | 7.6 | 9.0 | 4.1 | 4.7 | 5.6 |
| Cloudy | 5 | 10 | 50 | BLACK_TOP | 5 | 1.35 | 1.60 | 2.00 | 4.9 | 5.8 | 7.2 | 3.0 | 3.6 | 4.5 |
| Cloudy | 5 | 10 | 50 | BLACK_TOP | 10 | 1.00 | 1.25 | 1.60 | 3.6 | 4.5 | 5.8 | 2.2 | 2.8 | 3.6 |
| Cloudy | 5 | 10 | 50 | BLACK_TOP | 15 | 0.75 | 1.00 | 1.30 | 2.7 | 3.6 | 4.7 | 1.7 | 2.2 | 2.9 |
| Cloudy | 5 | 10 | 50 | BLACK_TOP | 20 | 0.60 | 0.80 | 1.10 | 2.2 | 2.9 | 4.0 | 1.3 | 1.8 | 2.5 |
| Cloudy | 5 | 10 | 50 | BLACK_TOP | 30 | 0.45 | 0.55 | 0.80 | 1.6 | 2.0 | 2.9 | 1.0 | 1.2 | 1.8 |
| Cloudy | 5 | 10 | 50 | BLACK_TOP | 40 | 0.35 | 0.45 | 0.65 | 1.3 | 1.6 | 2.3 | 0.8 | 1.0 | 1.5 |
| Cloudy | 5 | 10 | 50 | BLACK_TOP | 50 | 0.25 | 0.35 | 0.50 | 0.9 | 1.3 | 1.8 | 0.6 | 0.8 | 1.1 |
| Cloudy | 5 | 10 | 50 | DIRT_ROAD | -50 | 0.95 | 1.15 | 1.50 | 3.4 | 4.1 | 5.4 | 2.1 | 2.6 | 3.4 |
| Cloudy | 5 | 10 | 50 | DIRT_ROAD | -40 | 1.05 | 1.25 | 1.65 | 3.8 | 4.5 | 5.9 | 2.4 | 2.8 | 3.7 |
| Cloudy | 5 | 10 | 50 | DIRT_ROAD | -30 | 1.20 | 1.40 | 1.80 | 4.3 | 5.0 | 6.5 | 2.7 | 3.1 | 4.0 |
| Cloudy | 5 | 10 | 50 | DIRT_ROAD | -20 | 1.35 | 1.60 | 2.00 | 4.9 | 5.8 | 7.2 | 3.0 | 3.6 | 4.5 |
| Cloudy | 5 | 10 | 50 | DIRT_ROAD | -15 | 1.45 | 1.70 | 2.10 | 5.2 | 6.1 | 7.6 | 3.2 | 3.8 | 4.7 |
| Cloudy | 5 | 10 | 50 | DIRT_ROAD | -10 | 1.50 | 1.80 | 2.20 | 5.4 | 6.5 | 7.9 | 3.4 | 4.0 | 4.9 |
| Cloudy | 5 | 10 | 50 | DIRT_ROAD | -5 | 1.65 | 1.90 | 2.30 | 5.9 | 6.8 | 8.3 | 3.7 | 4.3 | 5.2 |
| Cloudy | 5 | 10 | 50 | DIRT_ROAD | 0 | 1.75 | 2.00 | 2.40 | 6.3 | 7.2 | 8.6 | 3.9 | 4.5 | 5.4 |
| Cloudy | 5 | 10 | 50 | DIRT_ROAD | 5 | 1.25 | 1.50 | 1.90 | 4.5 | 5.4 | 6.8 | 2.8 | 3.4 | 4.3 |
| Cloudy | 5 | 10 | 50 | DIRT_ROAD | 10 | 0.95 | 1.15 | 1.50 | 3.4 | 4.1 | 5.4 | 2.1 | 2.6 | 3.4 |
| Cloudy | 5 | 10 | 50 | DIRT_ROAD | 15 | 0.70 | 0.90 | 1.20 | 2.5 | 3.2 | 4.3 | 1.6 | 2.0 | 2.7 |
| Cloudy | 5 | 10 | 50 | DIRT_ROAD | 20 | 0.55 | 0.75 | 1.00 | 2.0 | 2.7 | 3.6 | 1.2 | 1.7 | 2.2 |
| Cloudy | 5 | 10 | 50 | DIRT_ROAD | 30 | 0.40 | 0.50 | 0.75 | 1.4 | 1.8 | 2.7 | 0.9 | 1.1 | 1.7 |
| Cloudy | 5 | 10 | 50 | DIRT_ROAD | 40 | 0.30 | 0.40 | 0.55 | 1.1 | 1.4 | 2.0 | 0.7 | 0.9 | 1.2 |
| Cloudy | 5 | 10 | 50 | DIRT_ROAD | 50 | 0.25 | 0.30 | 0.45 | 0.9 | 1.1 | 1.6 | 0.6 | 0.7 | 1.0 |
| Cloudy | 5 | 10 | 50 | LOOSE_SAND | -50 | 0.55 | 0.70 | 0.90 | 2.0 | 2.5 | 3.2 | 1.2 | 1.6 | 2.0 |
| Cloudy | 5 | 10 | 50 | LOOSE_SAND | -40 | 0.65 | 0.80 | 1.05 | 2.3 | 2.9 | 3.8 | 1.5 | 1.8 | 2.4 |
| Cloudy | 5 | 10 | 50 | LOOSE_SAND | -30 | 0.75 | 0.90 | 1.15 | 2.7 | 3.2 | 4.1 | 1.7 | 2.0 | 2.6 |
| Cloudy | 5 | 10 | 50 | LOOSE_SAND | -20 | 0.85 | 1.05 | 1.35 | 3.1 | 3.8 | 4.9 | 1.9 | 2.4 | 3.0 |
| Cloudy | 5 | 10 | 50 | LOOSE_SAND | -15 | 0.95 | 1.15 | 1.40 | 3.4 | 4.1 | 5.0 | 2.1 | 2.6 | 3.1 |
| Cloudy | 5 | 10 | 50 | LOOSE_SAND | -10 | 1.05 | 1.25 | 1.50 | 3.8 | 4.5 | 5.4 | 2.4 | 2.8 | 3.4 |
| Cloudy | 5 | 10 | 50 | LOOSE_SAND | -5 | 1.15 | 1.35 | 1.60 | 4.1 | 4.9 | 5.8 | 2.6 | 3.0 | 3.6 |
| Cloudy | 5 | 10 | 50 | LOOSE_SAND | 0 | 1.25 | 1.45 | 1.75 | 4.5 | 5.2 | 6.3 | 2.8 | 3.2 | 3.9 |
| Cloudy | 5 | 10 | 50 | LOOSE_SAND | 5 | 0.80 | 0.95 | 1.25 | 2.9 | 3.4 | 4.5 | 1.8 | 2.1 | 2.8 |
| Cloudy | 5 | 10 | 50 | LOOSE_SAND | 10 | 0.55 | 0.70 | 0.90 | 2.0 | 2.5 | 3.2 | 1.2 | 1.6 | 2.0 |
| Cloudy | 5 | 10 | 50 | LOOSE_SAND | 15 | 0.40 | 0.50 | 0.70 | 1.4 | 1.8 | 2.5 | 0.9 | 1.1 | 1.6 |
| Cloudy | 5 | 10 | 50 | LOOSE_SAND | 20 | 0.30 | 0.40 | 0.55 | 1.1 | 1.4 | 2.0 | 0.7 | 0.9 | 1.2 |
| Cloudy | 5 | 10 | 50 | LOOSE_SAND | 30 | 0.20 | 0.25 | 0.40 | 0.7 | 0.9 | 1.4 | 0.4 | 0.6 | 0.9 |
| Cloudy | 5 | 10 | 50 | LOOSE_SAND | 40 | 0.15 | 0.20 | 0.30 | 0.5 | 0.7 | 1.1 | 0.3 | 0.4 | 0.7 |
| Cloudy | 5 | 10 | 50 | LOOSE_SAND | 50 | 0.10 | 0.15 | 0.25 | 0.4 | 0.5 | 0.9 | 0.2 | 0.3 | 0.6 |

Table E-3. Maximum Sustainable Speed, Cloudy, 5% Humidity, 15°C (59°F)

| Cloud Cover | RH (%) | °C | °F | Terrain Type | Grade (%) | Max Sustainable Speed (meters/second) | | | Max Sustainable Speed (kilometers/hour) | | | Max Sustainable Speed (miles/hour) | | |
|-------------|--------|----|----|--------------|-----------|---------------------------------------|------|------|---|-----|------|------------------------------------|-----|------|
| | | | | | | Risk Level | | | Risk Level | | | Risk Level | | |
| | | | | | | Low | Mod | High | Low | Mod | High | Low | Mod | High |
| Cloudy | 5 | 15 | 59 | BLACK_TOP | -50 | 0.90 | 1.15 | 1.55 | 3.2 | 4.1 | 5.6 | 2.0 | 2.6 | 3.5 |
| Cloudy | 5 | 15 | 59 | BLACK_TOP | -40 | 1.05 | 1.30 | 1.65 | 3.8 | 4.7 | 5.9 | 2.4 | 2.9 | 3.7 |
| Cloudy | 5 | 15 | 59 | BLACK_TOP | -30 | 1.15 | 1.45 | 1.85 | 4.1 | 5.2 | 6.7 | 2.6 | 3.2 | 4.1 |
| Cloudy | 5 | 15 | 59 | BLACK_TOP | -20 | 1.35 | 1.60 | 2.00 | 4.9 | 5.8 | 7.2 | 3.0 | 3.6 | 4.5 |
| Cloudy | 5 | 15 | 59 | BLACK_TOP | -15 | 1.40 | 1.70 | 2.10 | 5.0 | 6.1 | 7.6 | 3.1 | 3.8 | 4.7 |
| Cloudy | 5 | 15 | 59 | BLACK_TOP | -10 | 1.50 | 1.80 | 2.20 | 5.4 | 6.5 | 7.9 | 3.4 | 4.0 | 4.9 |
| Cloudy | 5 | 15 | 59 | BLACK_TOP | -5 | 1.60 | 1.90 | 2.30 | 5.8 | 6.8 | 8.3 | 3.6 | 4.3 | 5.2 |
| Cloudy | 5 | 15 | 59 | BLACK_TOP | 0 | 1.75 | 2.00 | 2.45 | 6.3 | 7.2 | 8.8 | 3.9 | 4.5 | 5.5 |
| Cloudy | 5 | 15 | 59 | BLACK_TOP | 5 | 1.25 | 1.50 | 1.90 | 4.5 | 5.4 | 6.8 | 2.8 | 3.4 | 4.3 |
| Cloudy | 5 | 15 | 59 | BLACK_TOP | 10 | 0.90 | 1.15 | 1.55 | 3.2 | 4.1 | 5.6 | 2.0 | 2.6 | 3.5 |
| Cloudy | 5 | 15 | 59 | BLACK_TOP | 15 | 0.70 | 0.90 | 1.25 | 2.5 | 3.2 | 4.5 | 1.6 | 2.0 | 2.8 |
| Cloudy | 5 | 15 | 59 | BLACK_TOP | 20 | 0.55 | 0.75 | 1.05 | 2.0 | 2.7 | 3.8 | 1.2 | 1.7 | 2.4 |
| Cloudy | 5 | 15 | 59 | BLACK_TOP | 30 | 0.40 | 0.50 | 0.75 | 1.4 | 1.8 | 2.7 | 0.9 | 1.1 | 1.7 |
| Cloudy | 5 | 15 | 59 | BLACK_TOP | 40 | 0.30 | 0.40 | 0.60 | 1.1 | 1.4 | 2.2 | 0.7 | 0.9 | 1.3 |
| Cloudy | 5 | 15 | 59 | BLACK_TOP | 50 | 0.25 | 0.30 | 0.45 | 0.9 | 1.1 | 1.6 | 0.6 | 0.7 | 1.0 |
| Cloudy | 5 | 15 | 59 | DIRT_ROAD | -50 | 0.85 | 1.05 | 1.45 | 3.1 | 3.8 | 5.2 | 1.9 | 2.4 | 3.2 |
| Cloudy | 5 | 15 | 59 | DIRT_ROAD | -40 | 0.95 | 1.20 | 1.55 | 3.4 | 4.3 | 5.6 | 2.1 | 2.7 | 3.5 |
| Cloudy | 5 | 15 | 59 | DIRT_ROAD | -30 | 1.10 | 1.35 | 1.70 | 4.0 | 4.9 | 6.1 | 2.5 | 3.0 | 3.8 |
| Cloudy | 5 | 15 | 59 | DIRT_ROAD | -20 | 1.25 | 1.50 | 1.90 | 4.5 | 5.4 | 6.8 | 2.8 | 3.4 | 4.3 |
| Cloudy | 5 | 15 | 59 | DIRT_ROAD | -15 | 1.35 | 1.60 | 2.00 | 4.9 | 5.8 | 7.2 | 3.0 | 3.6 | 4.5 |
| Cloudy | 5 | 15 | 59 | DIRT_ROAD | -10 | 1.45 | 1.70 | 2.10 | 5.2 | 6.1 | 7.6 | 3.2 | 3.8 | 4.7 |
| Cloudy | 5 | 15 | 59 | DIRT_ROAD | -5 | 1.55 | 1.80 | 2.20 | 5.6 | 6.5 | 7.9 | 3.5 | 4.0 | 4.9 |
| Cloudy | 5 | 15 | 59 | DIRT_ROAD | 0 | 1.65 | 1.90 | 2.30 | 5.9 | 6.8 | 8.3 | 3.7 | 4.3 | 5.2 |
| Cloudy | 5 | 15 | 59 | DIRT_ROAD | 5 | 1.15 | 1.40 | 1.80 | 4.1 | 5.0 | 6.5 | 2.6 | 3.1 | 4.0 |
| Cloudy | 5 | 15 | 59 | DIRT_ROAD | 10 | 0.85 | 1.05 | 1.45 | 3.1 | 3.8 | 5.2 | 1.9 | 2.4 | 3.2 |
| Cloudy | 5 | 15 | 59 | DIRT_ROAD | 15 | 0.65 | 0.85 | 1.15 | 2.3 | 3.1 | 4.1 | 1.5 | 1.9 | 2.6 |
| Cloudy | 5 | 15 | 59 | DIRT_ROAD | 20 | 0.50 | 0.70 | 0.95 | 1.8 | 2.5 | 3.4 | 1.1 | 1.6 | 2.1 |
| Cloudy | 5 | 15 | 59 | DIRT_ROAD | 30 | 0.35 | 0.50 | 0.70 | 1.3 | 1.8 | 2.5 | 0.8 | 1.1 | 1.6 |
| Cloudy | 5 | 15 | 59 | DIRT_ROAD | 40 | 0.25 | 0.35 | 0.55 | 0.9 | 1.3 | 2.0 | 0.6 | 0.8 | 1.2 |
| Cloudy | 5 | 15 | 59 | DIRT_ROAD | 50 | 0.20 | 0.30 | 0.45 | 0.7 | 1.1 | 1.6 | 0.4 | 0.7 | 1.0 |
| Cloudy | 5 | 15 | 59 | LOOSE_SAND | -50 | 0.50 | 0.65 | 0.85 | 1.8 | 2.3 | 3.1 | 1.1 | 1.5 | 1.9 |
| Cloudy | 5 | 15 | 59 | LOOSE_SAND | -40 | 0.55 | 0.75 | 1.00 | 2.0 | 2.7 | 3.6 | 1.2 | 1.7 | 2.2 |
| Cloudy | 5 | 15 | 59 | LOOSE_SAND | -30 | 0.70 | 0.85 | 1.10 | 2.5 | 3.1 | 4.0 | 1.6 | 1.9 | 2.5 |
| Cloudy | 5 | 15 | 59 | LOOSE_SAND | -20 | 0.80 | 1.00 | 1.25 | 2.9 | 3.6 | 4.5 | 1.8 | 2.2 | 2.8 |
| Cloudy | 5 | 15 | 59 | LOOSE_SAND | -15 | 0.90 | 1.05 | 1.35 | 3.2 | 3.8 | 4.9 | 2.0 | 2.4 | 3.0 |
| Cloudy | 5 | 15 | 59 | LOOSE_SAND | -10 | 1.00 | 1.15 | 1.45 | 3.6 | 4.1 | 5.2 | 2.2 | 2.6 | 3.2 |
| Cloudy | 5 | 15 | 59 | LOOSE_SAND | -5 | 1.10 | 1.25 | 1.55 | 4.0 | 4.5 | 5.6 | 2.5 | 2.8 | 3.5 |
| Cloudy | 5 | 15 | 59 | LOOSE_SAND | 0 | 1.20 | 1.40 | 1.65 | 4.3 | 5.0 | 5.9 | 2.7 | 3.1 | 3.7 |
| Cloudy | 5 | 15 | 59 | LOOSE_SAND | 5 | 0.75 | 0.90 | 1.20 | 2.7 | 3.2 | 4.3 | 1.7 | 2.0 | 2.7 |
| Cloudy | 5 | 15 | 59 | LOOSE_SAND | 10 | 0.50 | 0.65 | 0.85 | 1.8 | 2.3 | 3.1 | 1.1 | 1.5 | 1.9 |
| Cloudy | 5 | 15 | 59 | LOOSE_SAND | 15 | 0.35 | 0.45 | 0.65 | 1.3 | 1.6 | 2.3 | 0.8 | 1.0 | 1.5 |
| Cloudy | 5 | 15 | 59 | LOOSE_SAND | 20 | 0.25 | 0.35 | 0.55 | 0.9 | 1.3 | 2.0 | 0.6 | 0.8 | 1.2 |
| Cloudy | 5 | 15 | 59 | LOOSE_SAND | 30 | 0.20 | 0.25 | 0.35 | 0.7 | 0.9 | 1.3 | 0.4 | 0.6 | 0.8 |
| Cloudy | 5 | 15 | 59 | LOOSE_SAND | 40 | 0.15 | 0.20 | 0.25 | 0.5 | 0.7 | 0.9 | 0.3 | 0.4 | 0.6 |
| Cloudy | 5 | 15 | 59 | LOOSE_SAND | 50 | 0.10 | 0.15 | 0.20 | 0.4 | 0.5 | 0.7 | 0.2 | 0.3 | 0.4 |

Table E-4. Maximum Sustainable Speed, Cloudy, 5% Humidity, 20°C (68°F)

| Cloud Cover | RH (%) | °C | °F | Terrain Type | Grade (%) | Max Sustainable Speed (meters/second) | | | Max Sustainable Speed (kilometers/hour) | | | Max Sustainable Speed (miles/hour) | | |
|-------------|--------|----|----|--------------|-----------|---------------------------------------|------|------|---|-----|------|------------------------------------|-----|------|
| | | | | | | Risk Level | | | Risk Level | | | Risk Level | | |
| | | | | | | Low | Mod | High | Low | Mod | High | Low | Mod | High |
| Cloudy | 5 | 20 | 68 | BLACK_TOP | -50 | 0.85 | 1.05 | 1.40 | 3.1 | 3.8 | 5.0 | 1.9 | 2.4 | 3.1 |
| Cloudy | 5 | 20 | 68 | BLACK_TOP | -40 | 0.95 | 1.20 | 1.55 | 3.4 | 4.3 | 5.6 | 2.1 | 2.7 | 3.5 |
| Cloudy | 5 | 20 | 68 | BLACK_TOP | -30 | 1.10 | 1.35 | 1.70 | 4.0 | 4.9 | 6.1 | 2.5 | 3.0 | 3.8 |
| Cloudy | 5 | 20 | 68 | BLACK_TOP | -20 | 1.25 | 1.50 | 1.90 | 4.5 | 5.4 | 6.8 | 2.8 | 3.4 | 4.3 |
| Cloudy | 5 | 20 | 68 | BLACK_TOP | -15 | 1.30 | 1.60 | 2.00 | 4.7 | 5.8 | 7.2 | 2.9 | 3.6 | 4.5 |
| Cloudy | 5 | 20 | 68 | BLACK_TOP | -10 | 1.40 | 1.70 | 2.10 | 5.0 | 6.1 | 7.6 | 3.1 | 3.8 | 4.7 |
| Cloudy | 5 | 20 | 68 | BLACK_TOP | -5 | 1.50 | 1.80 | 2.20 | 5.4 | 6.5 | 7.9 | 3.4 | 4.0 | 4.9 |
| Cloudy | 5 | 20 | 68 | BLACK_TOP | 0 | 1.65 | 1.90 | 2.30 | 5.9 | 6.8 | 8.3 | 3.7 | 4.3 | 5.2 |
| Cloudy | 5 | 20 | 68 | BLACK_TOP | 5 | 1.15 | 1.40 | 1.80 | 4.1 | 5.0 | 6.5 | 2.6 | 3.1 | 4.0 |
| Cloudy | 5 | 20 | 68 | BLACK_TOP | 10 | 0.85 | 1.05 | 1.40 | 3.1 | 3.8 | 5.0 | 1.9 | 2.4 | 3.1 |
| Cloudy | 5 | 20 | 68 | BLACK_TOP | 15 | 0.65 | 0.85 | 1.15 | 2.3 | 3.1 | 4.1 | 1.5 | 1.9 | 2.6 |
| Cloudy | 5 | 20 | 68 | BLACK_TOP | 20 | 0.50 | 0.70 | 0.95 | 1.8 | 2.5 | 3.4 | 1.1 | 1.6 | 2.1 |
| Cloudy | 5 | 20 | 68 | BLACK_TOP | 30 | 0.35 | 0.50 | 0.70 | 1.3 | 1.8 | 2.5 | 0.8 | 1.1 | 1.6 |
| Cloudy | 5 | 20 | 68 | BLACK_TOP | 40 | 0.25 | 0.35 | 0.55 | 0.9 | 1.3 | 2.0 | 0.6 | 0.8 | 1.2 |
| Cloudy | 5 | 20 | 68 | BLACK_TOP | 50 | 0.20 | 0.30 | 0.45 | 0.7 | 1.1 | 1.6 | 0.4 | 0.7 | 1.0 |
| Cloudy | 5 | 20 | 68 | DIRT_ROAD | -50 | 0.75 | 1.00 | 1.30 | 2.7 | 3.6 | 4.7 | 1.7 | 2.2 | 2.9 |
| Cloudy | 5 | 20 | 68 | DIRT_ROAD | -40 | 0.90 | 1.10 | 1.45 | 3.2 | 4.0 | 5.2 | 2.0 | 2.5 | 3.2 |
| Cloudy | 5 | 20 | 68 | DIRT_ROAD | -30 | 1.00 | 1.25 | 1.60 | 3.6 | 4.5 | 5.8 | 2.2 | 2.8 | 3.6 |
| Cloudy | 5 | 20 | 68 | DIRT_ROAD | -20 | 1.15 | 1.40 | 1.80 | 4.1 | 5.0 | 6.5 | 2.6 | 3.1 | 4.0 |
| Cloudy | 5 | 20 | 68 | DIRT_ROAD | -15 | 1.25 | 1.50 | 1.90 | 4.5 | 5.4 | 6.8 | 2.8 | 3.4 | 4.3 |
| Cloudy | 5 | 20 | 68 | DIRT_ROAD | -10 | 1.35 | 1.60 | 2.00 | 4.9 | 5.8 | 7.2 | 3.0 | 3.6 | 4.5 |
| Cloudy | 5 | 20 | 68 | DIRT_ROAD | -5 | 1.45 | 1.70 | 2.10 | 5.2 | 6.1 | 7.6 | 3.2 | 3.8 | 4.7 |
| Cloudy | 5 | 20 | 68 | DIRT_ROAD | 0 | 1.55 | 1.85 | 2.20 | 5.6 | 6.7 | 7.9 | 3.5 | 4.1 | 4.9 |
| Cloudy | 5 | 20 | 68 | DIRT_ROAD | 5 | 1.10 | 1.35 | 1.70 | 4.0 | 4.9 | 6.1 | 2.5 | 3.0 | 3.8 |
| Cloudy | 5 | 20 | 68 | DIRT_ROAD | 10 | 0.75 | 1.00 | 1.30 | 2.7 | 3.6 | 4.7 | 1.7 | 2.2 | 2.9 |
| Cloudy | 5 | 20 | 68 | DIRT_ROAD | 15 | 0.60 | 0.75 | 1.05 | 2.2 | 2.7 | 3.8 | 1.3 | 1.7 | 2.4 |
| Cloudy | 5 | 20 | 68 | DIRT_ROAD | 20 | 0.45 | 0.60 | 0.85 | 1.6 | 2.2 | 3.1 | 1.0 | 1.3 | 1.9 |
| Cloudy | 5 | 20 | 68 | DIRT_ROAD | 30 | 0.30 | 0.45 | 0.60 | 1.1 | 1.6 | 2.2 | 0.7 | 1.0 | 1.3 |
| Cloudy | 5 | 20 | 68 | DIRT_ROAD | 40 | 0.25 | 0.35 | 0.50 | 0.9 | 1.3 | 1.8 | 0.6 | 0.8 | 1.1 |
| Cloudy | 5 | 20 | 68 | DIRT_ROAD | 50 | 0.20 | 0.25 | 0.40 | 0.7 | 0.9 | 1.4 | 0.4 | 0.6 | 0.9 |
| Cloudy | 5 | 20 | 68 | LOOSE_SAND | -50 | 0.45 | 0.60 | 0.80 | 1.6 | 2.2 | 2.9 | 1.0 | 1.3 | 1.8 |
| Cloudy | 5 | 20 | 68 | LOOSE_SAND | -40 | 0.50 | 0.65 | 0.90 | 1.8 | 2.3 | 3.2 | 1.1 | 1.5 | 2.0 |
| Cloudy | 5 | 20 | 68 | LOOSE_SAND | -30 | 0.60 | 0.80 | 1.05 | 2.2 | 2.9 | 3.8 | 1.3 | 1.8 | 2.4 |
| Cloudy | 5 | 20 | 68 | LOOSE_SAND | -20 | 0.75 | 0.95 | 1.20 | 2.7 | 3.4 | 4.3 | 1.7 | 2.1 | 2.7 |
| Cloudy | 5 | 20 | 68 | LOOSE_SAND | -15 | 0.80 | 1.00 | 1.30 | 2.9 | 3.6 | 4.7 | 1.8 | 2.2 | 2.9 |
| Cloudy | 5 | 20 | 68 | LOOSE_SAND | -10 | 0.90 | 1.10 | 1.35 | 3.2 | 4.0 | 4.9 | 2.0 | 2.5 | 3.0 |
| Cloudy | 5 | 20 | 68 | LOOSE_SAND | -5 | 1.00 | 1.20 | 1.50 | 3.6 | 4.3 | 5.4 | 2.2 | 2.7 | 3.4 |
| Cloudy | 5 | 20 | 68 | LOOSE_SAND | 0 | 1.10 | 1.30 | 1.60 | 4.0 | 4.7 | 5.8 | 2.5 | 2.9 | 3.6 |
| Cloudy | 5 | 20 | 68 | LOOSE_SAND | 5 | 0.70 | 0.85 | 1.10 | 2.5 | 3.1 | 4.0 | 1.6 | 1.9 | 2.5 |
| Cloudy | 5 | 20 | 68 | LOOSE_SAND | 10 | 0.45 | 0.60 | 0.80 | 1.6 | 2.2 | 2.9 | 1.0 | 1.3 | 1.8 |
| Cloudy | 5 | 20 | 68 | LOOSE_SAND | 15 | 0.30 | 0.45 | 0.60 | 1.1 | 1.6 | 2.2 | 0.7 | 1.0 | 1.3 |
| Cloudy | 5 | 20 | 68 | LOOSE_SAND | 20 | 0.25 | 0.35 | 0.50 | 0.9 | 1.3 | 1.8 | 0.6 | 0.8 | 1.1 |
| Cloudy | 5 | 20 | 68 | LOOSE_SAND | 30 | 0.15 | 0.20 | 0.35 | 0.5 | 0.7 | 1.3 | 0.3 | 0.4 | 0.8 |
| Cloudy | 5 | 20 | 68 | LOOSE_SAND | 40 | 0.10 | 0.15 | 0.25 | 0.4 | 0.5 | 0.9 | 0.2 | 0.3 | 0.6 |
| Cloudy | 5 | 20 | 68 | LOOSE_SAND | 50 | 0.10 | 0.15 | 0.20 | 0.4 | 0.5 | 0.7 | 0.2 | 0.3 | 0.4 |

Table E-5. Maximum Sustainable Speed, Cloudy, 5% Humidity, 25°C (77°F)

| Cloud Cover | RH (%) | °C | °F | Terrain Type | Grade (%) | Max Sustainable Speed (meters/second) | | | Max Sustainable Speed (kilometers/hour) | | | Max Sustainable Speed (miles/hour) | | |
|-------------|--------|----|----|--------------|-----------|---------------------------------------|------|------|---|-----|------|------------------------------------|-----|------|
| | | | | | | Risk Level | | | Risk Level | | | Risk Level | | |
| | | | | | | Low | Mod | High | Low | Mod | High | Low | Mod | High |
| Cloudy | 5 | 25 | 77 | BLACK_TOP | -50 | 0.75 | 1.00 | 1.30 | 2.7 | 3.6 | 4.7 | 1.7 | 2.2 | 2.9 |
| Cloudy | 5 | 25 | 77 | BLACK_TOP | -40 | 0.85 | 1.10 | 1.45 | 3.1 | 4.0 | 5.2 | 1.9 | 2.5 | 3.2 |
| Cloudy | 5 | 25 | 77 | BLACK_TOP | -30 | 1.00 | 1.25 | 1.60 | 3.6 | 4.5 | 5.8 | 2.2 | 2.8 | 3.6 |
| Cloudy | 5 | 25 | 77 | BLACK_TOP | -20 | 1.15 | 1.40 | 1.75 | 4.1 | 5.0 | 6.3 | 2.6 | 3.1 | 3.9 |
| Cloudy | 5 | 25 | 77 | BLACK_TOP | -15 | 1.20 | 1.50 | 1.85 | 4.3 | 5.4 | 6.7 | 2.7 | 3.4 | 4.1 |
| Cloudy | 5 | 25 | 77 | BLACK_TOP | -10 | 1.30 | 1.60 | 1.95 | 4.7 | 5.8 | 7.0 | 2.9 | 3.6 | 4.4 |
| Cloudy | 5 | 25 | 77 | BLACK_TOP | -5 | 1.40 | 1.70 | 2.05 | 5.0 | 6.1 | 7.4 | 3.1 | 3.8 | 4.6 |
| Cloudy | 5 | 25 | 77 | BLACK_TOP | 0 | 1.55 | 1.80 | 2.20 | 5.6 | 6.5 | 7.9 | 3.5 | 4.0 | 4.9 |
| Cloudy | 5 | 25 | 77 | BLACK_TOP | 5 | 1.05 | 1.35 | 1.65 | 3.8 | 4.9 | 5.9 | 2.4 | 3.0 | 3.7 |
| Cloudy | 5 | 25 | 77 | BLACK_TOP | 10 | 0.75 | 1.00 | 1.30 | 2.7 | 3.6 | 4.7 | 1.7 | 2.2 | 2.9 |
| Cloudy | 5 | 25 | 77 | BLACK_TOP | 15 | 0.55 | 0.75 | 1.05 | 2.0 | 2.7 | 3.8 | 1.2 | 1.7 | 2.4 |
| Cloudy | 5 | 25 | 77 | BLACK_TOP | 20 | 0.45 | 0.60 | 0.85 | 1.6 | 2.2 | 3.1 | 1.0 | 1.3 | 1.9 |
| Cloudy | 5 | 25 | 77 | BLACK_TOP | 30 | 0.30 | 0.45 | 0.60 | 1.1 | 1.6 | 2.2 | 0.7 | 1.0 | 1.3 |
| Cloudy | 5 | 25 | 77 | BLACK_TOP | 40 | 0.25 | 0.35 | 0.45 | 0.9 | 1.3 | 1.6 | 0.6 | 0.8 | 1.0 |
| Cloudy | 5 | 25 | 77 | BLACK_TOP | 50 | 0.20 | 0.25 | 0.40 | 0.7 | 0.9 | 1.4 | 0.4 | 0.6 | 0.9 |
| Cloudy | 5 | 25 | 77 | DIRT_ROAD | -50 | 0.70 | 0.90 | 1.20 | 2.5 | 3.2 | 4.3 | 1.6 | 2.0 | 2.7 |
| Cloudy | 5 | 25 | 77 | DIRT_ROAD | -40 | 0.80 | 1.05 | 1.35 | 2.9 | 3.8 | 4.9 | 1.8 | 2.4 | 3.0 |
| Cloudy | 5 | 25 | 77 | DIRT_ROAD | -30 | 0.90 | 1.15 | 1.50 | 3.2 | 4.1 | 5.4 | 2.0 | 2.6 | 3.4 |
| Cloudy | 5 | 25 | 77 | DIRT_ROAD | -20 | 1.05 | 1.35 | 1.65 | 3.8 | 4.9 | 5.9 | 2.4 | 3.0 | 3.7 |
| Cloudy | 5 | 25 | 77 | DIRT_ROAD | -15 | 1.15 | 1.40 | 1.75 | 4.1 | 5.0 | 6.3 | 2.6 | 3.1 | 3.9 |
| Cloudy | 5 | 25 | 77 | DIRT_ROAD | -10 | 1.25 | 1.50 | 1.85 | 4.5 | 5.4 | 6.7 | 2.8 | 3.4 | 4.1 |
| Cloudy | 5 | 25 | 77 | DIRT_ROAD | -5 | 1.35 | 1.60 | 1.95 | 4.9 | 5.8 | 7.0 | 3.0 | 3.6 | 4.4 |
| Cloudy | 5 | 25 | 77 | DIRT_ROAD | 0 | 1.45 | 1.75 | 2.10 | 5.2 | 6.3 | 7.6 | 3.2 | 3.9 | 4.7 |
| Cloudy | 5 | 25 | 77 | DIRT_ROAD | 5 | 1.00 | 1.25 | 1.55 | 3.6 | 4.5 | 5.6 | 2.2 | 2.8 | 3.5 |
| Cloudy | 5 | 25 | 77 | DIRT_ROAD | 10 | 0.70 | 0.90 | 1.20 | 2.5 | 3.2 | 4.3 | 1.6 | 2.0 | 2.7 |
| Cloudy | 5 | 25 | 77 | DIRT_ROAD | 15 | 0.50 | 0.70 | 0.95 | 1.8 | 2.5 | 3.4 | 1.1 | 1.6 | 2.1 |
| Cloudy | 5 | 25 | 77 | DIRT_ROAD | 20 | 0.40 | 0.55 | 0.80 | 1.4 | 2.0 | 2.9 | 0.9 | 1.2 | 1.8 |
| Cloudy | 5 | 25 | 77 | DIRT_ROAD | 30 | 0.30 | 0.40 | 0.55 | 1.1 | 1.4 | 2.0 | 0.7 | 0.9 | 1.2 |
| Cloudy | 5 | 25 | 77 | DIRT_ROAD | 40 | 0.20 | 0.30 | 0.45 | 0.7 | 1.1 | 1.6 | 0.4 | 0.7 | 1.0 |
| Cloudy | 5 | 25 | 77 | DIRT_ROAD | 50 | 0.15 | 0.25 | 0.35 | 0.5 | 0.9 | 1.3 | 0.3 | 0.6 | 0.8 |
| Cloudy | 5 | 25 | 77 | LOOSE_SAND | -50 | 0.40 | 0.55 | 0.75 | 1.4 | 2.0 | 2.7 | 0.9 | 1.2 | 1.7 |
| Cloudy | 5 | 25 | 77 | LOOSE_SAND | -40 | 0.45 | 0.60 | 0.85 | 1.6 | 2.2 | 3.1 | 1.0 | 1.3 | 1.9 |
| Cloudy | 5 | 25 | 77 | LOOSE_SAND | -30 | 0.55 | 0.75 | 0.95 | 2.0 | 2.7 | 3.4 | 1.2 | 1.7 | 2.1 |
| Cloudy | 5 | 25 | 77 | LOOSE_SAND | -20 | 0.70 | 0.85 | 1.10 | 2.5 | 3.1 | 4.0 | 1.6 | 1.9 | 2.5 |
| Cloudy | 5 | 25 | 77 | LOOSE_SAND | -15 | 0.75 | 0.95 | 1.20 | 2.7 | 3.4 | 4.3 | 1.7 | 2.1 | 2.7 |
| Cloudy | 5 | 25 | 77 | LOOSE_SAND | -10 | 0.85 | 1.05 | 1.30 | 3.1 | 3.8 | 4.7 | 1.9 | 2.4 | 2.9 |
| Cloudy | 5 | 25 | 77 | LOOSE_SAND | -5 | 0.95 | 1.15 | 1.40 | 3.4 | 4.1 | 5.0 | 2.1 | 2.6 | 3.1 |
| Cloudy | 5 | 25 | 77 | LOOSE_SAND | 0 | 1.05 | 1.25 | 1.50 | 3.8 | 4.5 | 5.4 | 2.4 | 2.8 | 3.4 |
| Cloudy | 5 | 25 | 77 | LOOSE_SAND | 5 | 0.60 | 0.80 | 1.00 | 2.2 | 2.9 | 3.6 | 1.3 | 1.8 | 2.2 |
| Cloudy | 5 | 25 | 77 | LOOSE_SAND | 10 | 0.40 | 0.55 | 0.75 | 1.4 | 2.0 | 2.7 | 0.9 | 1.2 | 1.7 |
| Cloudy | 5 | 25 | 77 | LOOSE_SAND | 15 | 0.30 | 0.40 | 0.55 | 1.1 | 1.4 | 2.0 | 0.7 | 0.9 | 1.2 |
| Cloudy | 5 | 25 | 77 | LOOSE_SAND | 20 | 0.20 | 0.30 | 0.45 | 0.7 | 1.1 | 1.6 | 0.4 | 0.7 | 1.0 |
| Cloudy | 5 | 25 | 77 | LOOSE_SAND | 30 | 0.15 | 0.20 | 0.30 | 0.5 | 0.7 | 1.1 | 0.3 | 0.4 | 0.7 |
| Cloudy | 5 | 25 | 77 | LOOSE_SAND | 40 | 0.10 | 0.15 | 0.20 | 0.4 | 0.5 | 0.7 | 0.2 | 0.3 | 0.4 |
| Cloudy | 5 | 25 | 77 | LOOSE_SAND | 50 | 0.05 | 0.10 | 0.15 | 0.2 | 0.4 | 0.5 | 0.1 | 0.2 | 0.3 |

Table E-6. Maximum Sustainable Speed, Cloudy, 5% Humidity, 30°C (86°F)

| Cloud Cover | RH (%) | °C | °F | Terrain Type | Grade (%) | Max Sustainable Speed (meters/second) | | | Max Sustainable Speed (kilometers/hour) | | | Max Sustainable Speed (miles/hour) | | |
|-------------|--------|----|----|--------------|-----------|---------------------------------------|------|------|---|-----|------|------------------------------------|-----|------|
| | | | | | | Risk Level | | | Risk Level | | | Risk Level | | |
| | | | | | | Low | Mod | High | Low | Mod | High | Low | Mod | High |
| Cloudy | 5 | 30 | 86 | BLACK_TOP | -50 | 0.65 | 0.90 | 1.20 | 2.3 | 3.2 | 4.3 | 1.5 | 2.0 | 2.7 |
| Cloudy | 5 | 30 | 86 | BLACK_TOP | -40 | 0.75 | 1.00 | 1.30 | 2.7 | 3.6 | 4.7 | 1.7 | 2.2 | 2.9 |
| Cloudy | 5 | 30 | 86 | BLACK_TOP | -30 | 0.90 | 1.15 | 1.45 | 3.2 | 4.1 | 5.2 | 2.0 | 2.6 | 3.2 |
| Cloudy | 5 | 30 | 86 | BLACK_TOP | -20 | 1.05 | 1.30 | 1.65 | 3.8 | 4.7 | 5.9 | 2.4 | 2.9 | 3.7 |
| Cloudy | 5 | 30 | 86 | BLACK_TOP | -15 | 1.10 | 1.40 | 1.70 | 4.0 | 5.0 | 6.1 | 2.5 | 3.1 | 3.8 |
| Cloudy | 5 | 30 | 86 | BLACK_TOP | -10 | 1.20 | 1.50 | 1.80 | 4.3 | 5.4 | 6.5 | 2.7 | 3.4 | 4.0 |
| Cloudy | 5 | 30 | 86 | BLACK_TOP | -5 | 1.30 | 1.60 | 1.95 | 4.7 | 5.8 | 7.0 | 2.9 | 3.6 | 4.4 |
| Cloudy | 5 | 30 | 86 | BLACK_TOP | 0 | 1.45 | 1.70 | 2.05 | 5.2 | 6.1 | 7.4 | 3.2 | 3.8 | 4.6 |
| Cloudy | 5 | 30 | 86 | BLACK_TOP | 5 | 0.95 | 1.25 | 1.55 | 3.4 | 4.5 | 5.6 | 2.1 | 2.8 | 3.5 |
| Cloudy | 5 | 30 | 86 | BLACK_TOP | 10 | 0.65 | 0.90 | 1.20 | 2.3 | 3.2 | 4.3 | 1.5 | 2.0 | 2.7 |
| Cloudy | 5 | 30 | 86 | BLACK_TOP | 15 | 0.50 | 0.70 | 0.95 | 1.8 | 2.5 | 3.4 | 1.1 | 1.6 | 2.1 |
| Cloudy | 5 | 30 | 86 | BLACK_TOP | 20 | 0.40 | 0.55 | 0.75 | 1.4 | 2.0 | 2.7 | 0.9 | 1.2 | 1.7 |
| Cloudy | 5 | 30 | 86 | BLACK_TOP | 30 | 0.25 | 0.40 | 0.55 | 0.9 | 1.4 | 2.0 | 0.6 | 0.9 | 1.2 |
| Cloudy | 5 | 30 | 86 | BLACK_TOP | 40 | 0.20 | 0.30 | 0.40 | 0.7 | 1.1 | 1.4 | 0.4 | 0.7 | 0.9 |
| Cloudy | 5 | 30 | 86 | BLACK_TOP | 50 | 0.15 | 0.25 | 0.35 | 0.5 | 0.9 | 1.3 | 0.3 | 0.6 | 0.8 |
| Cloudy | 5 | 30 | 86 | DIRT_ROAD | -50 | 0.60 | 0.85 | 1.10 | 2.2 | 3.1 | 4.0 | 1.3 | 1.9 | 2.5 |
| Cloudy | 5 | 30 | 86 | DIRT_ROAD | -40 | 0.70 | 0.95 | 1.20 | 2.5 | 3.4 | 4.3 | 1.6 | 2.1 | 2.7 |
| Cloudy | 5 | 30 | 86 | DIRT_ROAD | -30 | 0.85 | 1.10 | 1.35 | 3.1 | 4.0 | 4.9 | 1.9 | 2.5 | 3.0 |
| Cloudy | 5 | 30 | 86 | DIRT_ROAD | -20 | 0.95 | 1.25 | 1.55 | 3.4 | 4.5 | 5.6 | 2.1 | 2.8 | 3.5 |
| Cloudy | 5 | 30 | 86 | DIRT_ROAD | -15 | 1.05 | 1.35 | 1.65 | 3.8 | 4.9 | 5.9 | 2.4 | 3.0 | 3.7 |
| Cloudy | 5 | 30 | 86 | DIRT_ROAD | -10 | 1.15 | 1.40 | 1.75 | 4.1 | 5.0 | 6.3 | 2.6 | 3.1 | 3.9 |
| Cloudy | 5 | 30 | 86 | DIRT_ROAD | -5 | 1.25 | 1.55 | 1.85 | 4.5 | 5.6 | 6.7 | 2.8 | 3.5 | 4.1 |
| Cloudy | 5 | 30 | 86 | DIRT_ROAD | 0 | 1.35 | 1.65 | 1.95 | 4.9 | 5.9 | 7.0 | 3.0 | 3.7 | 4.4 |
| Cloudy | 5 | 30 | 86 | DIRT_ROAD | 5 | 0.90 | 1.15 | 1.45 | 3.2 | 4.1 | 5.2 | 2.0 | 2.6 | 3.2 |
| Cloudy | 5 | 30 | 86 | DIRT_ROAD | 10 | 0.60 | 0.85 | 1.10 | 2.2 | 3.1 | 4.0 | 1.3 | 1.9 | 2.5 |
| Cloudy | 5 | 30 | 86 | DIRT_ROAD | 15 | 0.45 | 0.65 | 0.85 | 1.6 | 2.3 | 3.1 | 1.0 | 1.5 | 1.9 |
| Cloudy | 5 | 30 | 86 | DIRT_ROAD | 20 | 0.35 | 0.50 | 0.70 | 1.3 | 1.8 | 2.5 | 0.8 | 1.1 | 1.6 |
| Cloudy | 5 | 30 | 86 | DIRT_ROAD | 30 | 0.25 | 0.35 | 0.50 | 0.9 | 1.3 | 1.8 | 0.6 | 0.8 | 1.1 |
| Cloudy | 5 | 30 | 86 | DIRT_ROAD | 40 | 0.20 | 0.25 | 0.35 | 0.7 | 0.9 | 1.3 | 0.4 | 0.6 | 0.8 |
| Cloudy | 5 | 30 | 86 | DIRT_ROAD | 50 | 0.15 | 0.20 | 0.30 | 0.5 | 0.7 | 1.1 | 0.3 | 0.4 | 0.7 |
| Cloudy | 5 | 30 | 86 | LOOSE_SAND | -50 | 0.35 | 0.50 | 0.65 | 1.3 | 1.8 | 2.3 | 0.8 | 1.1 | 1.5 |
| Cloudy | 5 | 30 | 86 | LOOSE_SAND | -40 | 0.40 | 0.55 | 0.75 | 1.4 | 2.0 | 2.7 | 0.9 | 1.2 | 1.7 |
| Cloudy | 5 | 30 | 86 | LOOSE_SAND | -30 | 0.50 | 0.65 | 0.85 | 1.8 | 2.3 | 3.1 | 1.1 | 1.5 | 1.9 |
| Cloudy | 5 | 30 | 86 | LOOSE_SAND | -20 | 0.60 | 0.80 | 1.00 | 2.2 | 2.9 | 3.6 | 1.3 | 1.8 | 2.2 |
| Cloudy | 5 | 30 | 86 | LOOSE_SAND | -15 | 0.70 | 0.90 | 1.10 | 2.5 | 3.2 | 4.0 | 1.6 | 2.0 | 2.5 |
| Cloudy | 5 | 30 | 86 | LOOSE_SAND | -10 | 0.75 | 0.95 | 1.20 | 2.7 | 3.4 | 4.3 | 1.7 | 2.1 | 2.7 |
| Cloudy | 5 | 30 | 86 | LOOSE_SAND | -5 | 0.85 | 1.05 | 1.30 | 3.1 | 3.8 | 4.7 | 1.9 | 2.4 | 2.9 |
| Cloudy | 5 | 30 | 86 | LOOSE_SAND | 0 | 1.00 | 1.20 | 1.40 | 3.6 | 4.3 | 5.0 | 2.2 | 2.7 | 3.1 |
| Cloudy | 5 | 30 | 86 | LOOSE_SAND | 5 | 0.55 | 0.75 | 0.95 | 2.0 | 2.7 | 3.4 | 1.2 | 1.7 | 2.1 |
| Cloudy | 5 | 30 | 86 | LOOSE_SAND | 10 | 0.35 | 0.50 | 0.65 | 1.3 | 1.8 | 2.3 | 0.8 | 1.1 | 1.5 |
| Cloudy | 5 | 30 | 86 | LOOSE_SAND | 15 | 0.25 | 0.35 | 0.50 | 0.9 | 1.3 | 1.8 | 0.6 | 0.8 | 1.1 |
| Cloudy | 5 | 30 | 86 | LOOSE_SAND | 20 | 0.20 | 0.25 | 0.40 | 0.7 | 0.9 | 1.4 | 0.4 | 0.6 | 0.9 |
| Cloudy | 5 | 30 | 86 | LOOSE_SAND | 30 | 0.10 | 0.20 | 0.25 | 0.4 | 0.7 | 0.9 | 0.2 | 0.4 | 0.6 |
| Cloudy | 5 | 30 | 86 | LOOSE_SAND | 40 | 0.10 | 0.15 | 0.20 | 0.4 | 0.5 | 0.7 | 0.2 | 0.3 | 0.4 |
| Cloudy | 5 | 30 | 86 | LOOSE_SAND | 50 | 0.05 | 0.10 | 0.15 | 0.2 | 0.4 | 0.5 | 0.1 | 0.2 | 0.3 |

Table E-7. Maximum Sustainable Speed, Cloudy, 5% Humidity, 35°C (95°F)

| Cloud Cover | RH (%) | °C | °F | Terrain Type | Grade (%) | Max Sustainable Speed (meters/second) | | | Max Sustainable Speed (kilometers/hour) | | | Max Sustainable Speed (miles/hour) | | |
|-------------|--------|----|----|--------------|-----------|---------------------------------------|------|------|---|-----|------|------------------------------------|-----|------|
| | | | | | | Risk Level | | | Risk Level | | | Risk Level | | |
| | | | | | | Low | Mod | High | Low | Mod | High | Low | Mod | High |
| Cloudy | 5 | 35 | 95 | BLACK_TOP | -50 | 0.60 | 0.80 | 1.05 | 2.2 | 2.9 | 3.8 | 1.3 | 1.8 | 2.4 |
| Cloudy | 5 | 35 | 95 | BLACK_TOP | -40 | 0.65 | 0.95 | 1.20 | 2.3 | 3.4 | 4.3 | 1.5 | 2.1 | 2.7 |
| Cloudy | 5 | 35 | 95 | BLACK_TOP | -30 | 0.80 | 1.05 | 1.30 | 2.9 | 3.8 | 4.7 | 1.8 | 2.4 | 2.9 |
| Cloudy | 5 | 35 | 95 | BLACK_TOP | -20 | 0.90 | 1.20 | 1.50 | 3.2 | 4.3 | 5.4 | 2.0 | 2.7 | 3.4 |
| Cloudy | 5 | 35 | 95 | BLACK_TOP | -15 | 1.00 | 1.30 | 1.60 | 3.6 | 4.7 | 5.8 | 2.2 | 2.9 | 3.6 |
| Cloudy | 5 | 35 | 95 | BLACK_TOP | -10 | 1.10 | 1.40 | 1.65 | 4.0 | 5.0 | 5.9 | 2.5 | 3.1 | 3.7 |
| Cloudy | 5 | 35 | 95 | BLACK_TOP | -5 | 1.20 | 1.50 | 1.80 | 4.3 | 5.4 | 6.5 | 2.7 | 3.4 | 4.0 |
| Cloudy | 5 | 35 | 95 | BLACK_TOP | 0 | 1.30 | 1.60 | 1.90 | 4.7 | 5.8 | 6.8 | 2.9 | 3.6 | 4.3 |
| Cloudy | 5 | 35 | 95 | BLACK_TOP | 5 | 0.85 | 1.15 | 1.40 | 3.1 | 4.1 | 5.0 | 1.9 | 2.6 | 3.1 |
| Cloudy | 5 | 35 | 95 | BLACK_TOP | 10 | 0.60 | 0.80 | 1.05 | 2.2 | 2.9 | 3.8 | 1.3 | 1.8 | 2.4 |
| Cloudy | 5 | 35 | 95 | BLACK_TOP | 15 | 0.45 | 0.65 | 0.80 | 1.6 | 2.3 | 2.9 | 1.0 | 1.5 | 1.8 |
| Cloudy | 5 | 35 | 95 | BLACK_TOP | 20 | 0.35 | 0.50 | 0.65 | 1.3 | 1.8 | 2.3 | 0.8 | 1.1 | 1.5 |
| Cloudy | 5 | 35 | 95 | BLACK_TOP | 30 | 0.20 | 0.35 | 0.45 | 0.7 | 1.3 | 1.6 | 0.4 | 0.8 | 1.0 |
| Cloudy | 5 | 35 | 95 | BLACK_TOP | 40 | 0.15 | 0.25 | 0.35 | 0.5 | 0.9 | 1.3 | 0.3 | 0.6 | 0.8 |
| Cloudy | 5 | 35 | 95 | BLACK_TOP | 50 | 0.15 | 0.20 | 0.30 | 0.5 | 0.7 | 1.1 | 0.3 | 0.4 | 0.7 |
| Cloudy | 5 | 35 | 95 | DIRT_ROAD | -50 | 0.55 | 0.75 | 1.00 | 2.0 | 2.7 | 3.6 | 1.2 | 1.7 | 2.2 |
| Cloudy | 5 | 35 | 95 | DIRT_ROAD | -40 | 0.60 | 0.85 | 1.10 | 2.2 | 3.1 | 4.0 | 1.3 | 1.9 | 2.5 |
| Cloudy | 5 | 35 | 95 | DIRT_ROAD | -30 | 0.75 | 1.00 | 1.25 | 2.7 | 3.6 | 4.5 | 1.7 | 2.2 | 2.8 |
| Cloudy | 5 | 35 | 95 | DIRT_ROAD | -20 | 0.85 | 1.15 | 1.40 | 3.1 | 4.1 | 5.0 | 1.9 | 2.6 | 3.1 |
| Cloudy | 5 | 35 | 95 | DIRT_ROAD | -15 | 0.95 | 1.25 | 1.50 | 3.4 | 4.5 | 5.4 | 2.1 | 2.8 | 3.4 |
| Cloudy | 5 | 35 | 95 | DIRT_ROAD | -10 | 1.05 | 1.35 | 1.60 | 3.8 | 4.9 | 5.8 | 2.4 | 3.0 | 3.6 |
| Cloudy | 5 | 35 | 95 | DIRT_ROAD | -5 | 1.15 | 1.45 | 1.70 | 4.1 | 5.2 | 6.1 | 2.6 | 3.2 | 3.8 |
| Cloudy | 5 | 35 | 95 | DIRT_ROAD | 0 | 1.25 | 1.55 | 1.80 | 4.5 | 5.6 | 6.5 | 2.8 | 3.5 | 4.0 |
| Cloudy | 5 | 35 | 95 | DIRT_ROAD | 5 | 0.80 | 1.05 | 1.30 | 2.9 | 3.8 | 4.7 | 1.8 | 2.4 | 2.9 |
| Cloudy | 5 | 35 | 95 | DIRT_ROAD | 10 | 0.55 | 0.75 | 1.00 | 2.0 | 2.7 | 3.6 | 1.2 | 1.7 | 2.2 |
| Cloudy | 5 | 35 | 95 | DIRT_ROAD | 15 | 0.40 | 0.55 | 0.75 | 1.4 | 2.0 | 2.7 | 0.9 | 1.2 | 1.7 |
| Cloudy | 5 | 35 | 95 | DIRT_ROAD | 20 | 0.30 | 0.45 | 0.60 | 1.1 | 1.6 | 2.2 | 0.7 | 1.0 | 1.3 |
| Cloudy | 5 | 35 | 95 | DIRT_ROAD | 30 | 0.20 | 0.30 | 0.40 | 0.7 | 1.1 | 1.4 | 0.4 | 0.7 | 0.9 |
| Cloudy | 5 | 35 | 95 | DIRT_ROAD | 40 | 0.15 | 0.25 | 0.30 | 0.5 | 0.9 | 1.1 | 0.3 | 0.6 | 0.7 |
| Cloudy | 5 | 35 | 95 | DIRT_ROAD | 50 | 0.10 | 0.20 | 0.25 | 0.4 | 0.7 | 0.9 | 0.2 | 0.4 | 0.6 |
| Cloudy | 5 | 35 | 95 | LOOSE_SAND | -50 | 0.30 | 0.45 | 0.55 | 1.1 | 1.6 | 2.0 | 0.7 | 1.0 | 1.2 |
| Cloudy | 5 | 35 | 95 | LOOSE_SAND | -40 | 0.35 | 0.50 | 0.65 | 1.3 | 1.8 | 2.3 | 0.8 | 1.1 | 1.5 |
| Cloudy | 5 | 35 | 95 | LOOSE_SAND | -30 | 0.45 | 0.60 | 0.75 | 1.6 | 2.2 | 2.7 | 1.0 | 1.3 | 1.7 |
| Cloudy | 5 | 35 | 95 | LOOSE_SAND | -20 | 0.55 | 0.75 | 0.90 | 2.0 | 2.7 | 3.2 | 1.2 | 1.7 | 2.0 |
| Cloudy | 5 | 35 | 95 | LOOSE_SAND | -15 | 0.60 | 0.80 | 1.00 | 2.2 | 2.9 | 3.6 | 1.3 | 1.8 | 2.2 |
| Cloudy | 5 | 35 | 95 | LOOSE_SAND | -10 | 0.70 | 0.90 | 1.10 | 2.5 | 3.2 | 4.0 | 1.6 | 2.0 | 2.5 |
| Cloudy | 5 | 35 | 95 | LOOSE_SAND | -5 | 0.80 | 1.00 | 1.20 | 2.9 | 3.6 | 4.3 | 1.8 | 2.2 | 2.7 |
| Cloudy | 5 | 35 | 95 | LOOSE_SAND | 0 | 0.90 | 1.10 | 1.30 | 3.2 | 4.0 | 4.7 | 2.0 | 2.5 | 2.9 |
| Cloudy | 5 | 35 | 95 | LOOSE_SAND | 5 | 0.50 | 0.65 | 0.85 | 1.8 | 2.3 | 3.1 | 1.1 | 1.5 | 1.9 |
| Cloudy | 5 | 35 | 95 | LOOSE_SAND | 10 | 0.30 | 0.45 | 0.55 | 1.1 | 1.6 | 2.0 | 0.7 | 1.0 | 1.2 |
| Cloudy | 5 | 35 | 95 | LOOSE_SAND | 15 | 0.20 | 0.30 | 0.40 | 0.7 | 1.1 | 1.4 | 0.4 | 0.7 | 0.9 |
| Cloudy | 5 | 35 | 95 | LOOSE_SAND | 20 | 0.15 | 0.25 | 0.30 | 0.5 | 0.9 | 1.1 | 0.3 | 0.6 | 0.7 |
| Cloudy | 5 | 35 | 95 | LOOSE_SAND | 30 | 0.10 | 0.15 | 0.20 | 0.4 | 0.5 | 0.7 | 0.2 | 0.3 | 0.4 |
| Cloudy | 5 | 35 | 95 | LOOSE_SAND | 40 | 0.05 | 0.10 | 0.15 | 0.2 | 0.4 | 0.5 | 0.1 | 0.2 | 0.3 |
| Cloudy | 5 | 35 | 95 | LOOSE_SAND | 50 | 0.05 | 0.10 | 0.10 | 0.2 | 0.4 | 0.4 | 0.1 | 0.2 | 0.2 |

Table E-8. Maximum Sustainable Speed, Cloudy, 25% Humidity, 5°C (41°F)

| Cloud Cover | RH (%) | °C | °F | Terrain Type | Grade (%) | Max Sustainable Speed (meters/second) | | | Max Sustainable Speed (kilometers/hour) | | | Max Sustainable Speed (miles/hour) | | |
|-------------|--------|----|----|--------------|-----------|---------------------------------------|------|------|---|-----|------|------------------------------------|-----|------|
| | | | | | | Risk Level | | | Risk Level | | | Risk Level | | |
| | | | | | | Low | Mod | High | Low | Mod | High | Low | Mod | High |
| Cloudy | 25 | 5 | 41 | BLACK_TOP | -50 | 1.05 | 1.30 | 1.60 | 3.8 | 4.7 | 5.8 | 2.4 | 2.9 | 3.6 |
| Cloudy | 25 | 5 | 41 | BLACK_TOP | -40 | 1.20 | 1.45 | 1.75 | 4.3 | 5.2 | 6.3 | 2.7 | 3.2 | 3.9 |
| Cloudy | 25 | 5 | 41 | BLACK_TOP | -30 | 1.30 | 1.60 | 1.90 | 4.7 | 5.8 | 6.8 | 2.9 | 3.6 | 4.3 |
| Cloudy | 25 | 5 | 41 | BLACK_TOP | -20 | 1.50 | 1.75 | 2.10 | 5.4 | 6.3 | 7.6 | 3.4 | 3.9 | 4.7 |
| Cloudy | 25 | 5 | 41 | BLACK_TOP | -15 | 1.60 | 1.85 | 2.20 | 5.8 | 6.7 | 7.9 | 3.6 | 4.1 | 4.9 |
| Cloudy | 25 | 5 | 41 | BLACK_TOP | -10 | 1.70 | 1.95 | 2.30 | 6.1 | 7.0 | 8.3 | 3.8 | 4.4 | 5.2 |
| Cloudy | 25 | 5 | 41 | BLACK_TOP | -5 | 1.80 | 2.05 | 2.40 | 6.5 | 7.4 | 8.6 | 4.0 | 4.6 | 5.4 |
| Cloudy | 25 | 5 | 41 | BLACK_TOP | 0 | 1.90 | 2.20 | 2.50 | 6.8 | 7.9 | 9.0 | 4.3 | 4.9 | 5.6 |
| Cloudy | 25 | 5 | 41 | BLACK_TOP | 5 | 1.40 | 1.70 | 2.00 | 5.0 | 6.1 | 7.2 | 3.1 | 3.8 | 4.5 |
| Cloudy | 25 | 5 | 41 | BLACK_TOP | 10 | 1.05 | 1.30 | 1.60 | 3.8 | 4.7 | 5.8 | 2.4 | 2.9 | 3.6 |
| Cloudy | 25 | 5 | 41 | BLACK_TOP | 15 | 0.85 | 1.05 | 1.30 | 3.1 | 3.8 | 4.7 | 1.9 | 2.4 | 2.9 |
| Cloudy | 25 | 5 | 41 | BLACK_TOP | 20 | 0.65 | 0.85 | 1.10 | 2.3 | 3.1 | 4.0 | 1.5 | 1.9 | 2.5 |
| Cloudy | 25 | 5 | 41 | BLACK_TOP | 30 | 0.45 | 0.60 | 0.80 | 1.6 | 2.2 | 2.9 | 1.0 | 1.3 | 1.8 |
| Cloudy | 25 | 5 | 41 | BLACK_TOP | 40 | 0.35 | 0.45 | 0.65 | 1.3 | 1.6 | 2.3 | 0.8 | 1.0 | 1.5 |
| Cloudy | 25 | 5 | 41 | BLACK_TOP | 50 | 0.30 | 0.40 | 0.50 | 1.1 | 1.4 | 1.8 | 0.7 | 0.9 | 1.1 |
| Cloudy | 25 | 5 | 41 | DIRT_ROAD | -50 | 1.00 | 1.20 | 1.50 | 3.6 | 4.3 | 5.4 | 2.2 | 2.7 | 3.4 |
| Cloudy | 25 | 5 | 41 | DIRT_ROAD | -40 | 1.10 | 1.35 | 1.65 | 4.0 | 4.9 | 5.9 | 2.5 | 3.0 | 3.7 |
| Cloudy | 25 | 5 | 41 | DIRT_ROAD | -30 | 1.25 | 1.50 | 1.80 | 4.5 | 5.4 | 6.5 | 2.8 | 3.4 | 4.0 |
| Cloudy | 25 | 5 | 41 | DIRT_ROAD | -20 | 1.40 | 1.65 | 2.00 | 5.0 | 5.9 | 7.2 | 3.1 | 3.7 | 4.5 |
| Cloudy | 25 | 5 | 41 | DIRT_ROAD | -15 | 1.50 | 1.75 | 2.10 | 5.4 | 6.3 | 7.6 | 3.4 | 3.9 | 4.7 |
| Cloudy | 25 | 5 | 41 | DIRT_ROAD | -10 | 1.60 | 1.85 | 2.20 | 5.8 | 6.7 | 7.9 | 3.6 | 4.1 | 4.9 |
| Cloudy | 25 | 5 | 41 | DIRT_ROAD | -5 | 1.70 | 1.95 | 2.30 | 6.1 | 7.0 | 8.3 | 3.8 | 4.4 | 5.2 |
| Cloudy | 25 | 5 | 41 | DIRT_ROAD | 0 | 1.80 | 2.10 | 2.40 | 6.5 | 7.6 | 8.6 | 4.0 | 4.7 | 5.4 |
| Cloudy | 25 | 5 | 41 | DIRT_ROAD | 5 | 1.30 | 1.60 | 1.90 | 4.7 | 5.8 | 6.8 | 2.9 | 3.6 | 4.3 |
| Cloudy | 25 | 5 | 41 | DIRT_ROAD | 10 | 1.00 | 1.20 | 1.50 | 3.6 | 4.3 | 5.4 | 2.2 | 2.7 | 3.4 |
| Cloudy | 25 | 5 | 41 | DIRT_ROAD | 15 | 0.75 | 0.95 | 1.20 | 2.7 | 3.4 | 4.3 | 1.7 | 2.1 | 2.7 |
| Cloudy | 25 | 5 | 41 | DIRT_ROAD | 20 | 0.60 | 0.80 | 1.00 | 2.2 | 2.9 | 3.6 | 1.3 | 1.8 | 2.2 |
| Cloudy | 25 | 5 | 41 | DIRT_ROAD | 30 | 0.45 | 0.55 | 0.75 | 1.6 | 2.0 | 2.7 | 1.0 | 1.2 | 1.7 |
| Cloudy | 25 | 5 | 41 | DIRT_ROAD | 40 | 0.30 | 0.45 | 0.55 | 1.1 | 1.6 | 2.0 | 0.7 | 1.0 | 1.2 |
| Cloudy | 25 | 5 | 41 | DIRT_ROAD | 50 | 0.25 | 0.35 | 0.45 | 0.9 | 1.3 | 1.6 | 0.6 | 0.8 | 1.0 |
| Cloudy | 25 | 5 | 41 | LOOSE_SAND | -50 | 0.60 | 0.75 | 0.90 | 2.2 | 2.7 | 3.2 | 1.3 | 1.7 | 2.0 |
| Cloudy | 25 | 5 | 41 | LOOSE_SAND | -40 | 0.65 | 0.85 | 1.05 | 2.3 | 3.1 | 3.8 | 1.5 | 1.9 | 2.4 |
| Cloudy | 25 | 5 | 41 | LOOSE_SAND | -30 | 0.80 | 0.95 | 1.15 | 2.9 | 3.4 | 4.1 | 1.8 | 2.1 | 2.6 |
| Cloudy | 25 | 5 | 41 | LOOSE_SAND | -20 | 0.90 | 1.10 | 1.35 | 3.2 | 4.0 | 4.9 | 2.0 | 2.5 | 3.0 |
| Cloudy | 25 | 5 | 41 | LOOSE_SAND | -15 | 1.00 | 1.20 | 1.40 | 3.6 | 4.3 | 5.0 | 2.2 | 2.7 | 3.1 |
| Cloudy | 25 | 5 | 41 | LOOSE_SAND | -10 | 1.10 | 1.30 | 1.50 | 4.0 | 4.7 | 5.4 | 2.5 | 2.9 | 3.4 |
| Cloudy | 25 | 5 | 41 | LOOSE_SAND | -5 | 1.20 | 1.40 | 1.60 | 4.3 | 5.0 | 5.8 | 2.7 | 3.1 | 3.6 |
| Cloudy | 25 | 5 | 41 | LOOSE_SAND | 0 | 1.30 | 1.50 | 1.75 | 4.7 | 5.4 | 6.3 | 2.9 | 3.4 | 3.9 |
| Cloudy | 25 | 5 | 41 | LOOSE_SAND | 5 | 0.85 | 1.00 | 1.25 | 3.1 | 3.6 | 4.5 | 1.9 | 2.2 | 2.8 |
| Cloudy | 25 | 5 | 41 | LOOSE_SAND | 10 | 0.60 | 0.75 | 0.90 | 2.2 | 2.7 | 3.2 | 1.3 | 1.7 | 2.0 |
| Cloudy | 25 | 5 | 41 | LOOSE_SAND | 15 | 0.40 | 0.55 | 0.70 | 1.4 | 2.0 | 2.5 | 0.9 | 1.2 | 1.6 |
| Cloudy | 25 | 5 | 41 | LOOSE_SAND | 20 | 0.35 | 0.45 | 0.55 | 1.3 | 1.6 | 2.0 | 0.8 | 1.0 | 1.2 |
| Cloudy | 25 | 5 | 41 | LOOSE_SAND | 30 | 0.20 | 0.30 | 0.40 | 0.7 | 1.1 | 1.4 | 0.4 | 0.7 | 0.9 |
| Cloudy | 25 | 5 | 41 | LOOSE_SAND | 40 | 0.15 | 0.20 | 0.30 | 0.5 | 0.7 | 1.1 | 0.3 | 0.4 | 0.7 |
| Cloudy | 25 | 5 | 41 | LOOSE_SAND | 50 | 0.10 | 0.15 | 0.25 | 0.4 | 0.5 | 0.9 | 0.2 | 0.3 | 0.6 |

Table E-9. Maximum Sustainable Speed, Cloudy, 25% Humidity, 10°C (50°F)

| Cloud Cover | RH (%) | °C | °F | Terrain Type | Grade (%) | Max Sustainable Speed (meters/second) | | | Max Sustainable Speed (kilometers/hour) | | | Max Sustainable Speed (miles/hour) | | |
|-------------|--------|----|----|--------------|-----------|---------------------------------------|------|------|---|-----|------|------------------------------------|-----|------|
| | | | | | | Risk Level | | | Risk Level | | | Risk Level | | |
| | | | | | | Low | Mod | High | Low | Mod | High | Low | Mod | High |
| Cloudy | 25 | 10 | 50 | BLACK_TOP | -50 | 1.00 | 1.20 | 1.60 | 3.6 | 4.3 | 5.8 | 2.2 | 2.7 | 3.6 |
| Cloudy | 25 | 10 | 50 | BLACK_TOP | -40 | 1.10 | 1.35 | 1.75 | 4.0 | 4.9 | 6.3 | 2.5 | 3.0 | 3.9 |
| Cloudy | 25 | 10 | 50 | BLACK_TOP | -30 | 1.25 | 1.50 | 1.90 | 4.5 | 5.4 | 6.8 | 2.8 | 3.4 | 4.3 |
| Cloudy | 25 | 10 | 50 | BLACK_TOP | -20 | 1.40 | 1.65 | 2.10 | 5.0 | 5.9 | 7.6 | 3.1 | 3.7 | 4.7 |
| Cloudy | 25 | 10 | 50 | BLACK_TOP | -15 | 1.50 | 1.75 | 2.20 | 5.4 | 6.3 | 7.9 | 3.4 | 3.9 | 4.9 |
| Cloudy | 25 | 10 | 50 | BLACK_TOP | -10 | 1.60 | 1.85 | 2.30 | 5.8 | 6.7 | 8.3 | 3.6 | 4.1 | 5.2 |
| Cloudy | 25 | 10 | 50 | BLACK_TOP | -5 | 1.70 | 2.00 | 2.40 | 6.1 | 7.2 | 8.6 | 3.8 | 4.5 | 5.4 |
| Cloudy | 25 | 10 | 50 | BLACK_TOP | 0 | 1.80 | 2.10 | 2.50 | 6.5 | 7.6 | 9.0 | 4.0 | 4.7 | 5.6 |
| Cloudy | 25 | 10 | 50 | BLACK_TOP | 5 | 1.30 | 1.60 | 2.00 | 4.7 | 5.8 | 7.2 | 2.9 | 3.6 | 4.5 |
| Cloudy | 25 | 10 | 50 | BLACK_TOP | 10 | 1.00 | 1.20 | 1.60 | 3.6 | 4.3 | 5.8 | 2.2 | 2.7 | 3.6 |
| Cloudy | 25 | 10 | 50 | BLACK_TOP | 15 | 0.75 | 0.95 | 1.30 | 2.7 | 3.4 | 4.7 | 1.7 | 2.1 | 2.9 |
| Cloudy | 25 | 10 | 50 | BLACK_TOP | 20 | 0.60 | 0.80 | 1.10 | 2.2 | 2.9 | 4.0 | 1.3 | 1.8 | 2.5 |
| Cloudy | 25 | 10 | 50 | BLACK_TOP | 30 | 0.45 | 0.55 | 0.80 | 1.6 | 2.0 | 2.9 | 1.0 | 1.2 | 1.8 |
| Cloudy | 25 | 10 | 50 | BLACK_TOP | 40 | 0.35 | 0.45 | 0.65 | 1.3 | 1.6 | 2.3 | 0.8 | 1.0 | 1.5 |
| Cloudy | 25 | 10 | 50 | BLACK_TOP | 50 | 0.25 | 0.35 | 0.50 | 0.9 | 1.3 | 1.8 | 0.6 | 0.8 | 1.1 |
| Cloudy | 25 | 10 | 50 | DIRT_ROAD | -50 | 0.90 | 1.15 | 1.50 | 3.2 | 4.1 | 5.4 | 2.0 | 2.6 | 3.4 |
| Cloudy | 25 | 10 | 50 | DIRT_ROAD | -40 | 1.05 | 1.25 | 1.65 | 3.8 | 4.5 | 5.9 | 2.4 | 2.8 | 3.7 |
| Cloudy | 25 | 10 | 50 | DIRT_ROAD | -30 | 1.15 | 1.40 | 1.80 | 4.1 | 5.0 | 6.5 | 2.6 | 3.1 | 4.0 |
| Cloudy | 25 | 10 | 50 | DIRT_ROAD | -20 | 1.35 | 1.60 | 2.00 | 4.9 | 5.8 | 7.2 | 3.0 | 3.6 | 4.5 |
| Cloudy | 25 | 10 | 50 | DIRT_ROAD | -15 | 1.40 | 1.65 | 2.10 | 5.0 | 5.9 | 7.6 | 3.1 | 3.7 | 4.7 |
| Cloudy | 25 | 10 | 50 | DIRT_ROAD | -10 | 1.50 | 1.75 | 2.20 | 5.4 | 6.3 | 7.9 | 3.4 | 3.9 | 4.9 |
| Cloudy | 25 | 10 | 50 | DIRT_ROAD | -5 | 1.60 | 1.90 | 2.30 | 5.8 | 6.8 | 8.3 | 3.6 | 4.3 | 5.2 |
| Cloudy | 25 | 10 | 50 | DIRT_ROAD | 0 | 1.75 | 2.00 | 2.40 | 6.3 | 7.2 | 8.6 | 3.9 | 4.5 | 5.4 |
| Cloudy | 25 | 10 | 50 | DIRT_ROAD | 5 | 1.25 | 1.50 | 1.90 | 4.5 | 5.4 | 6.8 | 2.8 | 3.4 | 4.3 |
| Cloudy | 25 | 10 | 50 | DIRT_ROAD | 10 | 0.90 | 1.15 | 1.50 | 3.2 | 4.1 | 5.4 | 2.0 | 2.6 | 3.4 |
| Cloudy | 25 | 10 | 50 | DIRT_ROAD | 15 | 0.70 | 0.90 | 1.20 | 2.5 | 3.2 | 4.3 | 1.6 | 2.0 | 2.7 |
| Cloudy | 25 | 10 | 50 | DIRT_ROAD | 20 | 0.55 | 0.75 | 1.00 | 2.0 | 2.7 | 3.6 | 1.2 | 1.7 | 2.2 |
| Cloudy | 25 | 10 | 50 | DIRT_ROAD | 30 | 0.40 | 0.50 | 0.75 | 1.4 | 1.8 | 2.7 | 0.9 | 1.1 | 1.7 |
| Cloudy | 25 | 10 | 50 | DIRT_ROAD | 40 | 0.30 | 0.40 | 0.55 | 1.1 | 1.4 | 2.0 | 0.7 | 0.9 | 1.2 |
| Cloudy | 25 | 10 | 50 | DIRT_ROAD | 50 | 0.25 | 0.30 | 0.45 | 0.9 | 1.1 | 1.6 | 0.6 | 0.7 | 1.0 |
| Cloudy | 25 | 10 | 50 | LOOSE_SAND | -50 | 0.55 | 0.70 | 0.90 | 2.0 | 2.5 | 3.2 | 1.2 | 1.6 | 2.0 |
| Cloudy | 25 | 10 | 50 | LOOSE_SAND | -40 | 0.60 | 0.75 | 1.05 | 2.2 | 2.7 | 3.8 | 1.3 | 1.7 | 2.4 |
| Cloudy | 25 | 10 | 50 | LOOSE_SAND | -30 | 0.75 | 0.90 | 1.15 | 2.7 | 3.2 | 4.1 | 1.7 | 2.0 | 2.6 |
| Cloudy | 25 | 10 | 50 | LOOSE_SAND | -20 | 0.85 | 1.05 | 1.35 | 3.1 | 3.8 | 4.9 | 1.9 | 2.4 | 3.0 |
| Cloudy | 25 | 10 | 50 | LOOSE_SAND | -15 | 0.95 | 1.15 | 1.40 | 3.4 | 4.1 | 5.0 | 2.1 | 2.6 | 3.1 |
| Cloudy | 25 | 10 | 50 | LOOSE_SAND | -10 | 1.05 | 1.20 | 1.50 | 3.8 | 4.3 | 5.4 | 2.4 | 2.7 | 3.4 |
| Cloudy | 25 | 10 | 50 | LOOSE_SAND | -5 | 1.15 | 1.30 | 1.60 | 4.1 | 4.7 | 5.8 | 2.6 | 2.9 | 3.6 |
| Cloudy | 25 | 10 | 50 | LOOSE_SAND | 0 | 1.25 | 1.45 | 1.75 | 4.5 | 5.2 | 6.3 | 2.8 | 3.2 | 3.9 |
| Cloudy | 25 | 10 | 50 | LOOSE_SAND | 5 | 0.80 | 0.95 | 1.25 | 2.9 | 3.4 | 4.5 | 1.8 | 2.1 | 2.8 |
| Cloudy | 25 | 10 | 50 | LOOSE_SAND | 10 | 0.55 | 0.70 | 0.90 | 2.0 | 2.5 | 3.2 | 1.2 | 1.6 | 2.0 |
| Cloudy | 25 | 10 | 50 | LOOSE_SAND | 15 | 0.40 | 0.50 | 0.70 | 1.4 | 1.8 | 2.5 | 0.9 | 1.1 | 1.6 |
| Cloudy | 25 | 10 | 50 | LOOSE_SAND | 20 | 0.30 | 0.40 | 0.55 | 1.1 | 1.4 | 2.0 | 0.7 | 0.9 | 1.2 |
| Cloudy | 25 | 10 | 50 | LOOSE_SAND | 30 | 0.20 | 0.25 | 0.40 | 0.7 | 0.9 | 1.4 | 0.4 | 0.6 | 0.9 |
| Cloudy | 25 | 10 | 50 | LOOSE_SAND | 40 | 0.15 | 0.20 | 0.30 | 0.5 | 0.7 | 1.1 | 0.3 | 0.4 | 0.7 |
| Cloudy | 25 | 10 | 50 | LOOSE_SAND | 50 | 0.10 | 0.15 | 0.25 | 0.4 | 0.5 | 0.9 | 0.2 | 0.3 | 0.6 |

Table E-10. Maximum Sustainable Speed, Cloudy, 25% Humidity, 15°C (59°F)

| Cloud Cover | RH (%) | °C | °F | Terrain Type | Grade (%) | Max Sustainable Speed (meters/second) | | | Max Sustainable Speed (kilometers/hour) | | | Max Sustainable Speed (miles/hour) | | |
|-------------|--------|----|----|--------------|-----------|---------------------------------------|------|------|---|-----|------|------------------------------------|-----|------|
| | | | | | | Risk Level | | | Risk Level | | | Risk Level | | |
| | | | | | | Low | Mod | High | Low | Mod | High | Low | Mod | High |
| Cloudy | 25 | 15 | 59 | BLACK_TOP | -50 | 0.90 | 1.15 | 1.45 | 3.2 | 4.1 | 5.2 | 2.0 | 2.6 | 3.2 |
| Cloudy | 25 | 15 | 59 | BLACK_TOP | -40 | 1.00 | 1.25 | 1.60 | 3.6 | 4.5 | 5.8 | 2.2 | 2.8 | 3.6 |
| Cloudy | 25 | 15 | 59 | BLACK_TOP | -30 | 1.15 | 1.40 | 1.75 | 4.1 | 5.0 | 6.3 | 2.6 | 3.1 | 3.9 |
| Cloudy | 25 | 15 | 59 | BLACK_TOP | -20 | 1.30 | 1.60 | 1.95 | 4.7 | 5.8 | 7.0 | 2.9 | 3.6 | 4.4 |
| Cloudy | 25 | 15 | 59 | BLACK_TOP | -15 | 1.40 | 1.65 | 2.05 | 5.0 | 5.9 | 7.4 | 3.1 | 3.7 | 4.6 |
| Cloudy | 25 | 15 | 59 | BLACK_TOP | -10 | 1.50 | 1.75 | 2.15 | 5.4 | 6.3 | 7.7 | 3.4 | 3.9 | 4.8 |
| Cloudy | 25 | 15 | 59 | BLACK_TOP | -5 | 1.60 | 1.90 | 2.25 | 5.8 | 6.8 | 8.1 | 3.6 | 4.3 | 5.0 |
| Cloudy | 25 | 15 | 59 | BLACK_TOP | 0 | 1.70 | 2.00 | 2.35 | 6.1 | 7.2 | 8.5 | 3.8 | 4.5 | 5.3 |
| Cloudy | 25 | 15 | 59 | BLACK_TOP | 5 | 1.25 | 1.50 | 1.85 | 4.5 | 5.4 | 6.7 | 2.8 | 3.4 | 4.1 |
| Cloudy | 25 | 15 | 59 | BLACK_TOP | 10 | 0.90 | 1.15 | 1.45 | 3.2 | 4.1 | 5.2 | 2.0 | 2.6 | 3.2 |
| Cloudy | 25 | 15 | 59 | BLACK_TOP | 15 | 0.70 | 0.90 | 1.20 | 2.5 | 3.2 | 4.3 | 1.6 | 2.0 | 2.7 |
| Cloudy | 25 | 15 | 59 | BLACK_TOP | 20 | 0.55 | 0.75 | 1.00 | 2.0 | 2.7 | 3.6 | 1.2 | 1.7 | 2.2 |
| Cloudy | 25 | 15 | 59 | BLACK_TOP | 30 | 0.40 | 0.50 | 0.70 | 1.4 | 1.8 | 2.5 | 0.9 | 1.1 | 1.6 |
| Cloudy | 25 | 15 | 59 | BLACK_TOP | 40 | 0.30 | 0.40 | 0.55 | 1.1 | 1.4 | 2.0 | 0.7 | 0.9 | 1.2 |
| Cloudy | 25 | 15 | 59 | BLACK_TOP | 50 | 0.25 | 0.30 | 0.45 | 0.9 | 1.1 | 1.6 | 0.6 | 0.7 | 1.0 |
| Cloudy | 25 | 15 | 59 | DIRT_ROAD | -50 | 0.85 | 1.05 | 1.35 | 3.1 | 3.8 | 4.9 | 1.9 | 2.4 | 3.0 |
| Cloudy | 25 | 15 | 59 | DIRT_ROAD | -40 | 0.95 | 1.20 | 1.50 | 3.4 | 4.3 | 5.4 | 2.1 | 2.7 | 3.4 |
| Cloudy | 25 | 15 | 59 | DIRT_ROAD | -30 | 1.10 | 1.30 | 1.65 | 4.0 | 4.7 | 5.9 | 2.5 | 2.9 | 3.7 |
| Cloudy | 25 | 15 | 59 | DIRT_ROAD | -20 | 1.25 | 1.50 | 1.85 | 4.5 | 5.4 | 6.7 | 2.8 | 3.4 | 4.1 |
| Cloudy | 25 | 15 | 59 | DIRT_ROAD | -15 | 1.30 | 1.60 | 1.95 | 4.7 | 5.8 | 7.0 | 2.9 | 3.6 | 4.4 |
| Cloudy | 25 | 15 | 59 | DIRT_ROAD | -10 | 1.40 | 1.70 | 2.05 | 5.0 | 6.1 | 7.4 | 3.1 | 3.8 | 4.6 |
| Cloudy | 25 | 15 | 59 | DIRT_ROAD | -5 | 1.55 | 1.80 | 2.15 | 5.6 | 6.5 | 7.7 | 3.5 | 4.0 | 4.8 |
| Cloudy | 25 | 15 | 59 | DIRT_ROAD | 0 | 1.65 | 1.90 | 2.25 | 5.9 | 6.8 | 8.1 | 3.7 | 4.3 | 5.0 |
| Cloudy | 25 | 15 | 59 | DIRT_ROAD | 5 | 1.15 | 1.40 | 1.75 | 4.1 | 5.0 | 6.3 | 2.6 | 3.1 | 3.9 |
| Cloudy | 25 | 15 | 59 | DIRT_ROAD | 10 | 0.85 | 1.05 | 1.35 | 3.1 | 3.8 | 4.9 | 1.9 | 2.4 | 3.0 |
| Cloudy | 25 | 15 | 59 | DIRT_ROAD | 15 | 0.65 | 0.85 | 1.10 | 2.3 | 3.1 | 4.0 | 1.5 | 1.9 | 2.5 |
| Cloudy | 25 | 15 | 59 | DIRT_ROAD | 20 | 0.50 | 0.65 | 0.90 | 1.8 | 2.3 | 3.2 | 1.1 | 1.5 | 2.0 |
| Cloudy | 25 | 15 | 59 | DIRT_ROAD | 30 | 0.35 | 0.45 | 0.65 | 1.3 | 1.6 | 2.3 | 0.8 | 1.0 | 1.5 |
| Cloudy | 25 | 15 | 59 | DIRT_ROAD | 40 | 0.25 | 0.35 | 0.50 | 0.9 | 1.3 | 1.8 | 0.6 | 0.8 | 1.1 |
| Cloudy | 25 | 15 | 59 | DIRT_ROAD | 50 | 0.20 | 0.30 | 0.40 | 0.7 | 1.1 | 1.4 | 0.4 | 0.7 | 0.9 |
| Cloudy | 25 | 15 | 59 | LOOSE_SAND | -50 | 0.50 | 0.65 | 0.85 | 1.8 | 2.3 | 3.1 | 1.1 | 1.5 | 1.9 |
| Cloudy | 25 | 15 | 59 | LOOSE_SAND | -40 | 0.55 | 0.70 | 0.95 | 2.0 | 2.5 | 3.4 | 1.2 | 1.6 | 2.1 |
| Cloudy | 25 | 15 | 59 | LOOSE_SAND | -30 | 0.65 | 0.85 | 1.05 | 2.3 | 3.1 | 3.8 | 1.5 | 1.9 | 2.4 |
| Cloudy | 25 | 15 | 59 | LOOSE_SAND | -20 | 0.80 | 1.00 | 1.20 | 2.9 | 3.6 | 4.3 | 1.8 | 2.2 | 2.7 |
| Cloudy | 25 | 15 | 59 | LOOSE_SAND | -15 | 0.90 | 1.05 | 1.30 | 3.2 | 3.8 | 4.7 | 2.0 | 2.4 | 2.9 |
| Cloudy | 25 | 15 | 59 | LOOSE_SAND | -10 | 0.95 | 1.15 | 1.40 | 3.4 | 4.1 | 5.0 | 2.1 | 2.6 | 3.1 |
| Cloudy | 25 | 15 | 59 | LOOSE_SAND | -5 | 1.05 | 1.25 | 1.50 | 3.8 | 4.5 | 5.4 | 2.4 | 2.8 | 3.4 |
| Cloudy | 25 | 15 | 59 | LOOSE_SAND | 0 | 1.20 | 1.35 | 1.65 | 4.3 | 4.9 | 5.9 | 2.7 | 3.0 | 3.7 |
| Cloudy | 25 | 15 | 59 | LOOSE_SAND | 5 | 0.75 | 0.90 | 1.15 | 2.7 | 3.2 | 4.1 | 1.7 | 2.0 | 2.6 |
| Cloudy | 25 | 15 | 59 | LOOSE_SAND | 10 | 0.50 | 0.65 | 0.85 | 1.8 | 2.3 | 3.1 | 1.1 | 1.5 | 1.9 |
| Cloudy | 25 | 15 | 59 | LOOSE_SAND | 15 | 0.35 | 0.45 | 0.65 | 1.3 | 1.6 | 2.3 | 0.8 | 1.0 | 1.5 |
| Cloudy | 25 | 15 | 59 | LOOSE_SAND | 20 | 0.25 | 0.35 | 0.50 | 0.9 | 1.3 | 1.8 | 0.6 | 0.8 | 1.1 |
| Cloudy | 25 | 15 | 59 | LOOSE_SAND | 30 | 0.20 | 0.25 | 0.35 | 0.7 | 0.9 | 1.3 | 0.4 | 0.6 | 0.8 |
| Cloudy | 25 | 15 | 59 | LOOSE_SAND | 40 | 0.15 | 0.20 | 0.25 | 0.5 | 0.7 | 0.9 | 0.3 | 0.4 | 0.6 |
| Cloudy | 25 | 15 | 59 | LOOSE_SAND | 50 | 0.10 | 0.15 | 0.20 | 0.4 | 0.5 | 0.7 | 0.2 | 0.3 | 0.4 |

Table E-11. Maximum Sustainable Speed, Cloudy, 25% Humidity, 20°C (68°F)

| Cloud Cover | RH (%) | °C | °F | Terrain Type | Grade (%) | Max Sustainable Speed (meters/second) | | | Max Sustainable Speed (kilometers/hour) | | | Max Sustainable Speed (miles/hour) | | |
|-------------|--------|----|----|--------------|-----------|---------------------------------------|------|------|---|-----|------|------------------------------------|-----|------|
| | | | | | | Risk Level | | | Risk Level | | | Risk Level | | |
| | | | | | | Low | Mod | High | Low | Mod | High | Low | Mod | High |
| Cloudy | 25 | 20 | 68 | BLACK_TOP | -50 | 0.80 | 1.05 | 1.35 | 2.9 | 3.8 | 4.9 | 1.8 | 2.4 | 3.0 |
| Cloudy | 25 | 20 | 68 | BLACK_TOP | -40 | 0.95 | 1.20 | 1.45 | 3.4 | 4.3 | 5.2 | 2.1 | 2.7 | 3.2 |
| Cloudy | 25 | 20 | 68 | BLACK_TOP | -30 | 1.05 | 1.30 | 1.60 | 3.8 | 4.7 | 5.8 | 2.4 | 2.9 | 3.6 |
| Cloudy | 25 | 20 | 68 | BLACK_TOP | -20 | 1.20 | 1.50 | 1.80 | 4.3 | 5.4 | 6.5 | 2.7 | 3.4 | 4.0 |
| Cloudy | 25 | 20 | 68 | BLACK_TOP | -15 | 1.30 | 1.60 | 1.90 | 4.7 | 5.8 | 6.8 | 2.9 | 3.6 | 4.3 |
| Cloudy | 25 | 20 | 68 | BLACK_TOP | -10 | 1.40 | 1.70 | 2.00 | 5.0 | 6.1 | 7.2 | 3.1 | 3.8 | 4.5 |
| Cloudy | 25 | 20 | 68 | BLACK_TOP | -5 | 1.50 | 1.80 | 2.10 | 5.4 | 6.5 | 7.6 | 3.4 | 4.0 | 4.7 |
| Cloudy | 25 | 20 | 68 | BLACK_TOP | 0 | 1.60 | 1.90 | 2.20 | 5.8 | 6.8 | 7.9 | 3.6 | 4.3 | 4.9 |
| Cloudy | 25 | 20 | 68 | BLACK_TOP | 5 | 1.15 | 1.40 | 1.70 | 4.1 | 5.0 | 6.1 | 2.6 | 3.1 | 3.8 |
| Cloudy | 25 | 20 | 68 | BLACK_TOP | 10 | 0.80 | 1.05 | 1.35 | 2.9 | 3.8 | 4.9 | 1.8 | 2.4 | 3.0 |
| Cloudy | 25 | 20 | 68 | BLACK_TOP | 15 | 0.60 | 0.80 | 1.05 | 2.2 | 2.9 | 3.8 | 1.3 | 1.8 | 2.4 |
| Cloudy | 25 | 20 | 68 | BLACK_TOP | 20 | 0.50 | 0.65 | 0.90 | 1.8 | 2.3 | 3.2 | 1.1 | 1.5 | 2.0 |
| Cloudy | 25 | 20 | 68 | BLACK_TOP | 30 | 0.35 | 0.45 | 0.65 | 1.3 | 1.6 | 2.3 | 0.8 | 1.0 | 1.5 |
| Cloudy | 25 | 20 | 68 | BLACK_TOP | 40 | 0.25 | 0.35 | 0.50 | 0.9 | 1.3 | 1.8 | 0.6 | 0.8 | 1.1 |
| Cloudy | 25 | 20 | 68 | BLACK_TOP | 50 | 0.20 | 0.30 | 0.40 | 0.7 | 1.1 | 1.4 | 0.4 | 0.7 | 0.9 |
| Cloudy | 25 | 20 | 68 | DIRT_ROAD | -50 | 0.75 | 1.00 | 1.25 | 2.7 | 3.6 | 4.5 | 1.7 | 2.2 | 2.8 |
| Cloudy | 25 | 20 | 68 | DIRT_ROAD | -40 | 0.85 | 1.10 | 1.35 | 3.1 | 4.0 | 4.9 | 1.9 | 2.5 | 3.0 |
| Cloudy | 25 | 20 | 68 | DIRT_ROAD | -30 | 1.00 | 1.25 | 1.50 | 3.6 | 4.5 | 5.4 | 2.2 | 2.8 | 3.4 |
| Cloudy | 25 | 20 | 68 | DIRT_ROAD | -20 | 1.15 | 1.40 | 1.70 | 4.1 | 5.0 | 6.1 | 2.6 | 3.1 | 3.8 |
| Cloudy | 25 | 20 | 68 | DIRT_ROAD | -15 | 1.25 | 1.50 | 1.80 | 4.5 | 5.4 | 6.5 | 2.8 | 3.4 | 4.0 |
| Cloudy | 25 | 20 | 68 | DIRT_ROAD | -10 | 1.30 | 1.60 | 1.90 | 4.7 | 5.8 | 6.8 | 2.9 | 3.6 | 4.3 |
| Cloudy | 25 | 20 | 68 | DIRT_ROAD | -5 | 1.45 | 1.70 | 2.00 | 5.2 | 6.1 | 7.2 | 3.2 | 3.8 | 4.5 |
| Cloudy | 25 | 20 | 68 | DIRT_ROAD | 0 | 1.55 | 1.80 | 2.10 | 5.6 | 6.5 | 7.6 | 3.5 | 4.0 | 4.7 |
| Cloudy | 25 | 20 | 68 | DIRT_ROAD | 5 | 1.05 | 1.30 | 1.60 | 3.8 | 4.7 | 5.8 | 2.4 | 2.9 | 3.6 |
| Cloudy | 25 | 20 | 68 | DIRT_ROAD | 10 | 0.75 | 1.00 | 1.25 | 2.7 | 3.6 | 4.5 | 1.7 | 2.2 | 2.8 |
| Cloudy | 25 | 20 | 68 | DIRT_ROAD | 15 | 0.55 | 0.75 | 1.00 | 2.0 | 2.7 | 3.6 | 1.2 | 1.7 | 2.2 |
| Cloudy | 25 | 20 | 68 | DIRT_ROAD | 20 | 0.45 | 0.60 | 0.80 | 1.6 | 2.2 | 2.9 | 1.0 | 1.3 | 1.8 |
| Cloudy | 25 | 20 | 68 | DIRT_ROAD | 30 | 0.30 | 0.45 | 0.60 | 1.1 | 1.6 | 2.2 | 0.7 | 1.0 | 1.3 |
| Cloudy | 25 | 20 | 68 | DIRT_ROAD | 40 | 0.25 | 0.30 | 0.45 | 0.9 | 1.1 | 1.6 | 0.6 | 0.7 | 1.0 |
| Cloudy | 25 | 20 | 68 | DIRT_ROAD | 50 | 0.20 | 0.25 | 0.35 | 0.7 | 0.9 | 1.3 | 0.4 | 0.6 | 0.8 |
| Cloudy | 25 | 20 | 68 | LOOSE_SAND | -50 | 0.45 | 0.55 | 0.75 | 1.6 | 2.0 | 2.7 | 1.0 | 1.2 | 1.7 |
| Cloudy | 25 | 20 | 68 | LOOSE_SAND | -40 | 0.50 | 0.65 | 0.85 | 1.8 | 2.3 | 3.1 | 1.1 | 1.5 | 1.9 |
| Cloudy | 25 | 20 | 68 | LOOSE_SAND | -30 | 0.60 | 0.75 | 0.95 | 2.2 | 2.7 | 3.4 | 1.3 | 1.7 | 2.1 |
| Cloudy | 25 | 20 | 68 | LOOSE_SAND | -20 | 0.75 | 0.90 | 1.10 | 2.7 | 3.2 | 4.0 | 1.7 | 2.0 | 2.5 |
| Cloudy | 25 | 20 | 68 | LOOSE_SAND | -15 | 0.80 | 1.00 | 1.20 | 2.9 | 3.6 | 4.3 | 1.8 | 2.2 | 2.7 |
| Cloudy | 25 | 20 | 68 | LOOSE_SAND | -10 | 0.90 | 1.10 | 1.30 | 3.2 | 4.0 | 4.7 | 2.0 | 2.5 | 2.9 |
| Cloudy | 25 | 20 | 68 | LOOSE_SAND | -5 | 1.00 | 1.20 | 1.40 | 3.6 | 4.3 | 5.0 | 2.2 | 2.7 | 3.1 |
| Cloudy | 25 | 20 | 68 | LOOSE_SAND | 0 | 1.10 | 1.30 | 1.50 | 4.0 | 4.7 | 5.4 | 2.5 | 2.9 | 3.4 |
| Cloudy | 25 | 20 | 68 | LOOSE_SAND | 5 | 0.65 | 0.85 | 1.05 | 2.3 | 3.1 | 3.8 | 1.5 | 1.9 | 2.4 |
| Cloudy | 25 | 20 | 68 | LOOSE_SAND | 10 | 0.45 | 0.55 | 0.75 | 1.6 | 2.0 | 2.7 | 1.0 | 1.2 | 1.7 |
| Cloudy | 25 | 20 | 68 | LOOSE_SAND | 15 | 0.30 | 0.40 | 0.55 | 1.1 | 1.4 | 2.0 | 0.7 | 0.9 | 1.2 |
| Cloudy | 25 | 20 | 68 | LOOSE_SAND | 20 | 0.25 | 0.35 | 0.45 | 0.9 | 1.3 | 1.6 | 0.6 | 0.8 | 1.0 |
| Cloudy | 25 | 20 | 68 | LOOSE_SAND | 30 | 0.15 | 0.20 | 0.30 | 0.5 | 0.7 | 1.1 | 0.3 | 0.4 | 0.7 |
| Cloudy | 25 | 20 | 68 | LOOSE_SAND | 40 | 0.10 | 0.15 | 0.20 | 0.4 | 0.5 | 0.7 | 0.2 | 0.3 | 0.4 |
| Cloudy | 25 | 20 | 68 | LOOSE_SAND | 50 | 0.10 | 0.10 | 0.20 | 0.4 | 0.4 | 0.7 | 0.2 | 0.2 | 0.4 |

Table E-12. Maximum Sustainable Speed, Cloudy, 25% Humidity, 25°C (77°F)

| Cloud Cover | RH (%) | °C | °F | Terrain Type | Grade (%) | Max Sustainable Speed (meters/second) | | | Max Sustainable Speed (kilometers/hour) | | | Max Sustainable Speed (miles/hour) | | |
|-------------|--------|----|----|--------------|-----------|---------------------------------------|------|------|---|-----|------|------------------------------------|-----|------|
| | | | | | | Risk Level | | | Risk Level | | | Risk Level | | |
| | | | | | | Low | Mod | High | Low | Mod | High | Low | Mod | High |
| Cloudy | 25 | 25 | 77 | BLACK_TOP | -50 | 0.75 | 0.95 | 1.20 | 2.7 | 3.4 | 4.3 | 1.7 | 2.1 | 2.7 |
| Cloudy | 25 | 25 | 77 | BLACK_TOP | -40 | 0.85 | 1.10 | 1.30 | 3.1 | 4.0 | 4.7 | 1.9 | 2.5 | 2.9 |
| Cloudy | 25 | 25 | 77 | BLACK_TOP | -30 | 0.95 | 1.20 | 1.45 | 3.4 | 4.3 | 5.2 | 2.1 | 2.7 | 3.2 |
| Cloudy | 25 | 25 | 77 | BLACK_TOP | -20 | 1.10 | 1.40 | 1.65 | 4.0 | 5.0 | 5.9 | 2.5 | 3.1 | 3.7 |
| Cloudy | 25 | 25 | 77 | BLACK_TOP | -15 | 1.20 | 1.50 | 1.70 | 4.3 | 5.4 | 6.1 | 2.7 | 3.4 | 3.8 |
| Cloudy | 25 | 25 | 77 | BLACK_TOP | -10 | 1.30 | 1.55 | 1.80 | 4.7 | 5.6 | 6.5 | 2.9 | 3.5 | 4.0 |
| Cloudy | 25 | 25 | 77 | BLACK_TOP | -5 | 1.40 | 1.70 | 1.95 | 5.0 | 6.1 | 7.0 | 3.1 | 3.8 | 4.4 |
| Cloudy | 25 | 25 | 77 | BLACK_TOP | 0 | 1.50 | 1.80 | 2.05 | 5.4 | 6.5 | 7.4 | 3.4 | 4.0 | 4.6 |
| Cloudy | 25 | 25 | 77 | BLACK_TOP | 5 | 1.05 | 1.30 | 1.55 | 3.8 | 4.7 | 5.6 | 2.4 | 2.9 | 3.5 |
| Cloudy | 25 | 25 | 77 | BLACK_TOP | 10 | 0.75 | 0.95 | 1.20 | 2.7 | 3.4 | 4.3 | 1.7 | 2.1 | 2.7 |
| Cloudy | 25 | 25 | 77 | BLACK_TOP | 15 | 0.55 | 0.75 | 0.95 | 2.0 | 2.7 | 3.4 | 1.2 | 1.7 | 2.1 |
| Cloudy | 25 | 25 | 77 | BLACK_TOP | 20 | 0.45 | 0.60 | 0.75 | 1.6 | 2.2 | 2.7 | 1.0 | 1.3 | 1.7 |
| Cloudy | 25 | 25 | 77 | BLACK_TOP | 30 | 0.30 | 0.40 | 0.55 | 1.1 | 1.4 | 2.0 | 0.7 | 0.9 | 1.2 |
| Cloudy | 25 | 25 | 77 | BLACK_TOP | 40 | 0.20 | 0.30 | 0.40 | 0.7 | 1.1 | 1.4 | 0.4 | 0.7 | 0.9 |
| Cloudy | 25 | 25 | 77 | BLACK_TOP | 50 | 0.15 | 0.25 | 0.35 | 0.5 | 0.9 | 1.3 | 0.3 | 0.6 | 0.8 |
| Cloudy | 25 | 25 | 77 | DIRT_ROAD | -50 | 0.70 | 0.90 | 1.10 | 2.5 | 3.2 | 4.0 | 1.6 | 2.0 | 2.5 |
| Cloudy | 25 | 25 | 77 | DIRT_ROAD | -40 | 0.80 | 1.00 | 1.20 | 2.9 | 3.6 | 4.3 | 1.8 | 2.2 | 2.7 |
| Cloudy | 25 | 25 | 77 | DIRT_ROAD | -30 | 0.90 | 1.15 | 1.35 | 3.2 | 4.1 | 4.9 | 2.0 | 2.6 | 3.0 |
| Cloudy | 25 | 25 | 77 | DIRT_ROAD | -20 | 1.05 | 1.30 | 1.55 | 3.8 | 4.7 | 5.6 | 2.4 | 2.9 | 3.5 |
| Cloudy | 25 | 25 | 77 | DIRT_ROAD | -15 | 1.15 | 1.40 | 1.65 | 4.1 | 5.0 | 5.9 | 2.6 | 3.1 | 3.7 |
| Cloudy | 25 | 25 | 77 | DIRT_ROAD | -10 | 1.20 | 1.50 | 1.75 | 4.3 | 5.4 | 6.3 | 2.7 | 3.4 | 3.9 |
| Cloudy | 25 | 25 | 77 | DIRT_ROAD | -5 | 1.30 | 1.60 | 1.85 | 4.7 | 5.8 | 6.7 | 2.9 | 3.6 | 4.1 |
| Cloudy | 25 | 25 | 77 | DIRT_ROAD | 0 | 1.45 | 1.70 | 1.95 | 5.2 | 6.1 | 7.0 | 3.2 | 3.8 | 4.4 |
| Cloudy | 25 | 25 | 77 | DIRT_ROAD | 5 | 0.95 | 1.20 | 1.45 | 3.4 | 4.3 | 5.2 | 2.1 | 2.7 | 3.2 |
| Cloudy | 25 | 25 | 77 | DIRT_ROAD | 10 | 0.70 | 0.90 | 1.10 | 2.5 | 3.2 | 4.0 | 1.6 | 2.0 | 2.5 |
| Cloudy | 25 | 25 | 77 | DIRT_ROAD | 15 | 0.50 | 0.70 | 0.85 | 1.8 | 2.5 | 3.1 | 1.1 | 1.6 | 1.9 |
| Cloudy | 25 | 25 | 77 | DIRT_ROAD | 20 | 0.40 | 0.55 | 0.70 | 1.4 | 2.0 | 2.5 | 0.9 | 1.2 | 1.6 |
| Cloudy | 25 | 25 | 77 | DIRT_ROAD | 30 | 0.25 | 0.40 | 0.50 | 0.9 | 1.4 | 1.8 | 0.6 | 0.9 | 1.1 |
| Cloudy | 25 | 25 | 77 | DIRT_ROAD | 40 | 0.20 | 0.30 | 0.35 | 0.7 | 1.1 | 1.3 | 0.4 | 0.7 | 0.8 |
| Cloudy | 25 | 25 | 77 | DIRT_ROAD | 50 | 0.15 | 0.25 | 0.30 | 0.5 | 0.9 | 1.1 | 0.3 | 0.6 | 0.7 |
| Cloudy | 25 | 25 | 77 | LOOSE_SAND | -50 | 0.40 | 0.50 | 0.65 | 1.4 | 1.8 | 2.3 | 0.9 | 1.1 | 1.5 |
| Cloudy | 25 | 25 | 77 | LOOSE_SAND | -40 | 0.45 | 0.60 | 0.75 | 1.6 | 2.2 | 2.7 | 1.0 | 1.3 | 1.7 |
| Cloudy | 25 | 25 | 77 | LOOSE_SAND | -30 | 0.55 | 0.70 | 0.85 | 2.0 | 2.5 | 3.1 | 1.2 | 1.6 | 1.9 |
| Cloudy | 25 | 25 | 77 | LOOSE_SAND | -20 | 0.65 | 0.85 | 1.00 | 2.3 | 3.1 | 3.6 | 1.5 | 1.9 | 2.2 |
| Cloudy | 25 | 25 | 77 | LOOSE_SAND | -15 | 0.75 | 0.95 | 1.10 | 2.7 | 3.4 | 4.0 | 1.7 | 2.1 | 2.5 |
| Cloudy | 25 | 25 | 77 | LOOSE_SAND | -10 | 0.80 | 1.00 | 1.20 | 2.9 | 3.6 | 4.3 | 1.8 | 2.2 | 2.7 |
| Cloudy | 25 | 25 | 77 | LOOSE_SAND | -5 | 0.90 | 1.10 | 1.30 | 3.2 | 4.0 | 4.7 | 2.0 | 2.5 | 2.9 |
| Cloudy | 25 | 25 | 77 | LOOSE_SAND | 0 | 1.05 | 1.25 | 1.40 | 3.8 | 4.5 | 5.0 | 2.4 | 2.8 | 3.1 |
| Cloudy | 25 | 25 | 77 | LOOSE_SAND | 5 | 0.60 | 0.80 | 0.95 | 2.2 | 2.9 | 3.4 | 1.3 | 1.8 | 2.1 |
| Cloudy | 25 | 25 | 77 | LOOSE_SAND | 10 | 0.40 | 0.50 | 0.65 | 1.4 | 1.8 | 2.3 | 0.9 | 1.1 | 1.5 |
| Cloudy | 25 | 25 | 77 | LOOSE_SAND | 15 | 0.25 | 0.40 | 0.50 | 0.9 | 1.4 | 1.8 | 0.6 | 0.9 | 1.1 |
| Cloudy | 25 | 25 | 77 | LOOSE_SAND | 20 | 0.20 | 0.30 | 0.40 | 0.7 | 1.1 | 1.4 | 0.4 | 0.7 | 0.9 |
| Cloudy | 25 | 25 | 77 | LOOSE_SAND | 30 | 0.15 | 0.20 | 0.25 | 0.5 | 0.7 | 0.9 | 0.3 | 0.4 | 0.6 |
| Cloudy | 25 | 25 | 77 | LOOSE_SAND | 40 | 0.10 | 0.15 | 0.20 | 0.4 | 0.5 | 0.7 | 0.2 | 0.3 | 0.4 |
| Cloudy | 25 | 25 | 77 | LOOSE_SAND | 50 | 0.05 | 0.10 | 0.15 | 0.2 | 0.4 | 0.5 | 0.1 | 0.2 | 0.3 |

Table E-13. Maximum Sustainable Speed, Cloudy, 25 % Humidity, 30°C (86°F)

| Cloud Cover | RH (%) | °C | °F | Terrain Type | Grade (%) | Max Sustainable Speed (meters/second) | | | Max Sustainable Speed (kilometers/hour) | | | Max Sustainable Speed (miles/hour) | | |
|-------------|--------|----|----|--------------|-----------|---------------------------------------|------|------|---|-----|------|------------------------------------|-----|------|
| | | | | | | Risk Level | | | Risk Level | | | Risk Level | | |
| | | | | | | Low | Mod | High | Low | Mod | High | Low | Mod | High |
| Cloudy | 25 | 30 | 86 | BLACK_TOP | -50 | 0.65 | 0.85 | 1.00 | 2.3 | 3.1 | 3.6 | 1.5 | 1.9 | 2.2 |
| Cloudy | 25 | 30 | 86 | BLACK_TOP | -40 | 0.75 | 0.95 | 1.15 | 2.7 | 3.4 | 4.1 | 1.7 | 2.1 | 2.6 |
| Cloudy | 25 | 30 | 86 | BLACK_TOP | -30 | 0.85 | 1.10 | 1.30 | 3.1 | 4.0 | 4.7 | 1.9 | 2.5 | 2.9 |
| Cloudy | 25 | 30 | 86 | BLACK_TOP | -20 | 1.00 | 1.25 | 1.45 | 3.6 | 4.5 | 5.2 | 2.2 | 2.8 | 3.2 |
| Cloudy | 25 | 30 | 86 | BLACK_TOP | -15 | 1.10 | 1.35 | 1.55 | 4.0 | 4.9 | 5.6 | 2.5 | 3.0 | 3.5 |
| Cloudy | 25 | 30 | 86 | BLACK_TOP | -10 | 1.20 | 1.45 | 1.65 | 4.3 | 5.2 | 5.9 | 2.7 | 3.2 | 3.7 |
| Cloudy | 25 | 30 | 86 | BLACK_TOP | -5 | 1.30 | 1.55 | 1.75 | 4.7 | 5.6 | 6.3 | 2.9 | 3.5 | 3.9 |
| Cloudy | 25 | 30 | 86 | BLACK_TOP | 0 | 1.40 | 1.65 | 1.85 | 5.0 | 5.9 | 6.7 | 3.1 | 3.7 | 4.1 |
| Cloudy | 25 | 30 | 86 | BLACK_TOP | 5 | 0.95 | 1.20 | 1.35 | 3.4 | 4.3 | 4.9 | 2.1 | 2.7 | 3.0 |
| Cloudy | 25 | 30 | 86 | BLACK_TOP | 10 | 0.65 | 0.85 | 1.00 | 2.3 | 3.1 | 3.6 | 1.5 | 1.9 | 2.2 |
| Cloudy | 25 | 30 | 86 | BLACK_TOP | 15 | 0.50 | 0.65 | 0.80 | 1.8 | 2.3 | 2.9 | 1.1 | 1.5 | 1.8 |
| Cloudy | 25 | 30 | 86 | BLACK_TOP | 20 | 0.35 | 0.50 | 0.65 | 1.3 | 1.8 | 2.3 | 0.8 | 1.1 | 1.5 |
| Cloudy | 25 | 30 | 86 | BLACK_TOP | 30 | 0.25 | 0.35 | 0.45 | 0.9 | 1.3 | 1.6 | 0.6 | 0.8 | 1.0 |
| Cloudy | 25 | 30 | 86 | BLACK_TOP | 40 | 0.20 | 0.25 | 0.35 | 0.7 | 0.9 | 1.3 | 0.4 | 0.6 | 0.8 |
| Cloudy | 25 | 30 | 86 | BLACK_TOP | 50 | 0.15 | 0.20 | 0.25 | 0.5 | 0.7 | 0.9 | 0.3 | 0.4 | 0.6 |
| Cloudy | 25 | 30 | 86 | DIRT_ROAD | -50 | 0.60 | 0.80 | 0.95 | 2.2 | 2.9 | 3.4 | 1.3 | 1.8 | 2.1 |
| Cloudy | 25 | 30 | 86 | DIRT_ROAD | -40 | 0.70 | 0.90 | 1.05 | 2.5 | 3.2 | 3.8 | 1.6 | 2.0 | 2.4 |
| Cloudy | 25 | 30 | 86 | DIRT_ROAD | -30 | 0.80 | 1.05 | 1.20 | 2.9 | 3.8 | 4.3 | 1.8 | 2.4 | 2.7 |
| Cloudy | 25 | 30 | 86 | DIRT_ROAD | -20 | 0.95 | 1.20 | 1.35 | 3.4 | 4.3 | 4.9 | 2.1 | 2.7 | 3.0 |
| Cloudy | 25 | 30 | 86 | DIRT_ROAD | -15 | 1.00 | 1.30 | 1.45 | 3.6 | 4.7 | 5.2 | 2.2 | 2.9 | 3.2 |
| Cloudy | 25 | 30 | 86 | DIRT_ROAD | -10 | 1.10 | 1.35 | 1.55 | 4.0 | 4.9 | 5.6 | 2.5 | 3.0 | 3.5 |
| Cloudy | 25 | 30 | 86 | DIRT_ROAD | -5 | 1.20 | 1.50 | 1.65 | 4.3 | 5.4 | 5.9 | 2.7 | 3.4 | 3.7 |
| Cloudy | 25 | 30 | 86 | DIRT_ROAD | 0 | 1.35 | 1.60 | 1.75 | 4.9 | 5.8 | 6.3 | 3.0 | 3.6 | 3.9 |
| Cloudy | 25 | 30 | 86 | DIRT_ROAD | 5 | 0.85 | 1.10 | 1.25 | 3.1 | 4.0 | 4.5 | 1.9 | 2.5 | 2.8 |
| Cloudy | 25 | 30 | 86 | DIRT_ROAD | 10 | 0.60 | 0.80 | 0.95 | 2.2 | 2.9 | 3.4 | 1.3 | 1.8 | 2.1 |
| Cloudy | 25 | 30 | 86 | DIRT_ROAD | 15 | 0.45 | 0.60 | 0.75 | 1.6 | 2.2 | 2.7 | 1.0 | 1.3 | 1.7 |
| Cloudy | 25 | 30 | 86 | DIRT_ROAD | 20 | 0.35 | 0.50 | 0.60 | 1.3 | 1.8 | 2.2 | 0.8 | 1.1 | 1.3 |
| Cloudy | 25 | 30 | 86 | DIRT_ROAD | 30 | 0.25 | 0.35 | 0.40 | 0.9 | 1.3 | 1.4 | 0.6 | 0.8 | 0.9 |
| Cloudy | 25 | 30 | 86 | DIRT_ROAD | 40 | 0.15 | 0.25 | 0.30 | 0.5 | 0.9 | 1.1 | 0.3 | 0.6 | 0.7 |
| Cloudy | 25 | 30 | 86 | DIRT_ROAD | 50 | 0.15 | 0.20 | 0.25 | 0.5 | 0.7 | 0.9 | 0.3 | 0.4 | 0.6 |
| Cloudy | 25 | 30 | 86 | LOOSE_SAND | -50 | 0.35 | 0.45 | 0.55 | 1.3 | 1.6 | 2.0 | 0.8 | 1.0 | 1.2 |
| Cloudy | 25 | 30 | 86 | LOOSE_SAND | -40 | 0.40 | 0.55 | 0.65 | 1.4 | 2.0 | 2.3 | 0.9 | 1.2 | 1.5 |
| Cloudy | 25 | 30 | 86 | LOOSE_SAND | -30 | 0.50 | 0.65 | 0.75 | 1.8 | 2.3 | 2.7 | 1.1 | 1.5 | 1.7 |
| Cloudy | 25 | 30 | 86 | LOOSE_SAND | -20 | 0.60 | 0.75 | 0.90 | 2.2 | 2.7 | 3.2 | 1.3 | 1.7 | 2.0 |
| Cloudy | 25 | 30 | 86 | LOOSE_SAND | -15 | 0.65 | 0.85 | 0.95 | 2.3 | 3.1 | 3.4 | 1.5 | 1.9 | 2.1 |
| Cloudy | 25 | 30 | 86 | LOOSE_SAND | -10 | 0.75 | 0.95 | 1.05 | 2.7 | 3.4 | 3.8 | 1.7 | 2.1 | 2.4 |
| Cloudy | 25 | 30 | 86 | LOOSE_SAND | -5 | 0.85 | 1.05 | 1.15 | 3.1 | 3.8 | 4.1 | 1.9 | 2.4 | 2.6 |
| Cloudy | 25 | 30 | 86 | LOOSE_SAND | 0 | 0.95 | 1.15 | 1.25 | 3.4 | 4.1 | 4.5 | 2.1 | 2.6 | 2.8 |
| Cloudy | 25 | 30 | 86 | LOOSE_SAND | 5 | 0.55 | 0.70 | 0.80 | 2.0 | 2.5 | 2.9 | 1.2 | 1.6 | 1.8 |
| Cloudy | 25 | 30 | 86 | LOOSE_SAND | 10 | 0.35 | 0.45 | 0.55 | 1.3 | 1.6 | 2.0 | 0.8 | 1.0 | 1.2 |
| Cloudy | 25 | 30 | 86 | LOOSE_SAND | 15 | 0.25 | 0.35 | 0.40 | 0.9 | 1.3 | 1.4 | 0.6 | 0.8 | 0.9 |
| Cloudy | 25 | 30 | 86 | LOOSE_SAND | 20 | 0.15 | 0.25 | 0.30 | 0.5 | 0.9 | 1.1 | 0.3 | 0.6 | 0.7 |
| Cloudy | 25 | 30 | 86 | LOOSE_SAND | 30 | 0.10 | 0.15 | 0.20 | 0.4 | 0.5 | 0.7 | 0.2 | 0.3 | 0.4 |
| Cloudy | 25 | 30 | 86 | LOOSE_SAND | 40 | 0.10 | 0.10 | 0.15 | 0.4 | 0.4 | 0.5 | 0.2 | 0.2 | 0.3 |
| Cloudy | 25 | 30 | 86 | LOOSE_SAND | 50 | 0.05 | 0.10 | 0.10 | 0.2 | 0.4 | 0.4 | 0.1 | 0.2 | 0.2 |

Table E-14. Maximum Sustainable Speed, Cloudy, 25% Humidity, 35°C (91°F)

| Cloud Cover | RH (%) | °C | °F | Terrain Type | Grade (%) | Max Sustainable Speed (meters/second) | | | Max Sustainable Speed (kilometers/hour) | | | Max Sustainable Speed (miles/hour) | | |
|-------------|--------|----|----|--------------|-----------|---------------------------------------|------|------|---|-----|------|------------------------------------|-----|------|
| | | | | | | Risk Level | | | Risk Level | | | Risk Level | | |
| | | | | | | Low | Mod | High | Low | Mod | High | Low | Mod | High |
| Cloudy | 25 | 35 | 95 | BLACK_TOP | -50 | 0.55 | 0.70 | 0.85 | 2.0 | 2.5 | 3.1 | 1.2 | 1.6 | 1.9 |
| Cloudy | 25 | 35 | 95 | BLACK_TOP | -40 | 0.65 | 0.80 | 0.95 | 2.3 | 2.9 | 3.4 | 1.5 | 1.8 | 2.1 |
| Cloudy | 25 | 35 | 95 | BLACK_TOP | -30 | 0.75 | 0.90 | 1.05 | 2.7 | 3.2 | 3.8 | 1.7 | 2.0 | 2.4 |
| Cloudy | 25 | 35 | 95 | BLACK_TOP | -20 | 0.90 | 1.05 | 1.25 | 3.2 | 3.8 | 4.5 | 2.0 | 2.4 | 2.8 |
| Cloudy | 25 | 35 | 95 | BLACK_TOP | -15 | 0.95 | 1.15 | 1.30 | 3.4 | 4.1 | 4.7 | 2.1 | 2.6 | 2.9 |
| Cloudy | 25 | 35 | 95 | BLACK_TOP | -10 | 1.05 | 1.25 | 1.40 | 3.8 | 4.5 | 5.0 | 2.4 | 2.8 | 3.1 |
| Cloudy | 25 | 35 | 95 | BLACK_TOP | -5 | 1.15 | 1.35 | 1.50 | 4.1 | 4.9 | 5.4 | 2.6 | 3.0 | 3.4 |
| Cloudy | 25 | 35 | 95 | BLACK_TOP | 0 | 1.25 | 1.45 | 1.65 | 4.5 | 5.2 | 5.9 | 2.8 | 3.2 | 3.7 |
| Cloudy | 25 | 35 | 95 | BLACK_TOP | 5 | 0.80 | 1.00 | 1.15 | 2.9 | 3.6 | 4.1 | 1.8 | 2.2 | 2.6 |
| Cloudy | 25 | 35 | 95 | BLACK_TOP | 10 | 0.55 | 0.70 | 0.85 | 2.0 | 2.5 | 3.1 | 1.2 | 1.6 | 1.9 |
| Cloudy | 25 | 35 | 95 | BLACK_TOP | 15 | 0.40 | 0.50 | 0.65 | 1.4 | 1.8 | 2.3 | 0.9 | 1.1 | 1.5 |
| Cloudy | 25 | 35 | 95 | BLACK_TOP | 20 | 0.30 | 0.40 | 0.50 | 1.1 | 1.4 | 1.8 | 0.7 | 0.9 | 1.1 |
| Cloudy | 25 | 35 | 95 | BLACK_TOP | 30 | 0.20 | 0.30 | 0.35 | 0.7 | 1.1 | 1.3 | 0.4 | 0.7 | 0.8 |
| Cloudy | 25 | 35 | 95 | BLACK_TOP | 40 | 0.15 | 0.20 | 0.25 | 0.5 | 0.7 | 0.9 | 0.3 | 0.4 | 0.6 |
| Cloudy | 25 | 35 | 95 | BLACK_TOP | 50 | 0.10 | 0.15 | 0.20 | 0.4 | 0.5 | 0.7 | 0.2 | 0.3 | 0.4 |
| Cloudy | 25 | 35 | 95 | DIRT_ROAD | -50 | 0.50 | 0.65 | 0.75 | 1.8 | 2.3 | 2.7 | 1.1 | 1.5 | 1.7 |
| Cloudy | 25 | 35 | 95 | DIRT_ROAD | -40 | 0.60 | 0.75 | 0.85 | 2.2 | 2.7 | 3.1 | 1.3 | 1.7 | 1.9 |
| Cloudy | 25 | 35 | 95 | DIRT_ROAD | -30 | 0.70 | 0.85 | 1.00 | 2.5 | 3.1 | 3.6 | 1.6 | 1.9 | 2.2 |
| Cloudy | 25 | 35 | 95 | DIRT_ROAD | -20 | 0.85 | 1.00 | 1.15 | 3.1 | 3.6 | 4.1 | 1.9 | 2.2 | 2.6 |
| Cloudy | 25 | 35 | 95 | DIRT_ROAD | -15 | 0.90 | 1.10 | 1.25 | 3.2 | 4.0 | 4.5 | 2.0 | 2.5 | 2.8 |
| Cloudy | 25 | 35 | 95 | DIRT_ROAD | -10 | 1.00 | 1.20 | 1.35 | 3.6 | 4.3 | 4.9 | 2.2 | 2.7 | 3.0 |
| Cloudy | 25 | 35 | 95 | DIRT_ROAD | -5 | 1.10 | 1.30 | 1.45 | 4.0 | 4.7 | 5.2 | 2.5 | 2.9 | 3.2 |
| Cloudy | 25 | 35 | 95 | DIRT_ROAD | 0 | 1.20 | 1.40 | 1.55 | 4.3 | 5.0 | 5.6 | 2.7 | 3.1 | 3.5 |
| Cloudy | 25 | 35 | 95 | DIRT_ROAD | 5 | 0.75 | 0.90 | 1.05 | 2.7 | 3.2 | 3.8 | 1.7 | 2.0 | 2.4 |
| Cloudy | 25 | 35 | 95 | DIRT_ROAD | 10 | 0.50 | 0.65 | 0.75 | 1.8 | 2.3 | 2.7 | 1.1 | 1.5 | 1.7 |
| Cloudy | 25 | 35 | 95 | DIRT_ROAD | 15 | 0.35 | 0.50 | 0.60 | 1.3 | 1.8 | 2.2 | 0.8 | 1.1 | 1.3 |
| Cloudy | 25 | 35 | 95 | DIRT_ROAD | 20 | 0.30 | 0.35 | 0.45 | 1.1 | 1.3 | 1.6 | 0.7 | 0.8 | 1.0 |
| Cloudy | 25 | 35 | 95 | DIRT_ROAD | 30 | 0.20 | 0.25 | 0.30 | 0.7 | 0.9 | 1.1 | 0.4 | 0.6 | 0.7 |
| Cloudy | 25 | 35 | 95 | DIRT_ROAD | 40 | 0.15 | 0.20 | 0.25 | 0.5 | 0.7 | 0.9 | 0.3 | 0.4 | 0.6 |
| Cloudy | 25 | 35 | 95 | DIRT_ROAD | 50 | 0.10 | 0.15 | 0.20 | 0.4 | 0.5 | 0.7 | 0.2 | 0.3 | 0.4 |
| Cloudy | 25 | 35 | 95 | LOOSE_SAND | -50 | 0.30 | 0.35 | 0.45 | 1.1 | 1.3 | 1.6 | 0.7 | 0.8 | 1.0 |
| Cloudy | 25 | 35 | 95 | LOOSE_SAND | -40 | 0.35 | 0.45 | 0.50 | 1.3 | 1.6 | 1.8 | 0.8 | 1.0 | 1.1 |
| Cloudy | 25 | 35 | 95 | LOOSE_SAND | -30 | 0.40 | 0.50 | 0.60 | 1.4 | 1.8 | 2.2 | 0.9 | 1.1 | 1.3 |
| Cloudy | 25 | 35 | 95 | LOOSE_SAND | -20 | 0.50 | 0.65 | 0.75 | 1.8 | 2.3 | 2.7 | 1.1 | 1.5 | 1.7 |
| Cloudy | 25 | 35 | 95 | LOOSE_SAND | -15 | 0.60 | 0.70 | 0.80 | 2.2 | 2.5 | 2.9 | 1.3 | 1.6 | 1.8 |
| Cloudy | 25 | 35 | 95 | LOOSE_SAND | -10 | 0.65 | 0.80 | 0.90 | 2.3 | 2.9 | 3.2 | 1.5 | 1.8 | 2.0 |
| Cloudy | 25 | 35 | 95 | LOOSE_SAND | -5 | 0.75 | 0.90 | 1.00 | 2.7 | 3.2 | 3.6 | 1.7 | 2.0 | 2.2 |
| Cloudy | 25 | 35 | 95 | LOOSE_SAND | 0 | 0.85 | 1.00 | 1.10 | 3.1 | 3.6 | 4.0 | 1.9 | 2.2 | 2.5 |
| Cloudy | 25 | 35 | 95 | LOOSE_SAND | 5 | 0.45 | 0.55 | 0.65 | 1.6 | 2.0 | 2.3 | 1.0 | 1.2 | 1.5 |
| Cloudy | 25 | 35 | 95 | LOOSE_SAND | 10 | 0.30 | 0.35 | 0.45 | 1.1 | 1.3 | 1.6 | 0.7 | 0.8 | 1.0 |
| Cloudy | 25 | 35 | 95 | LOOSE_SAND | 15 | 0.20 | 0.25 | 0.30 | 0.7 | 0.9 | 1.1 | 0.4 | 0.6 | 0.7 |
| Cloudy | 25 | 35 | 95 | LOOSE_SAND | 20 | 0.15 | 0.20 | 0.25 | 0.5 | 0.7 | 0.9 | 0.3 | 0.4 | 0.6 |
| Cloudy | 25 | 35 | 95 | LOOSE_SAND | 30 | 0.10 | 0.10 | 0.15 | 0.4 | 0.4 | 0.5 | 0.2 | 0.2 | 0.3 |
| Cloudy | 25 | 35 | 95 | LOOSE_SAND | 40 | 0.05 | 0.10 | 0.10 | 0.2 | 0.4 | 0.4 | 0.1 | 0.2 | 0.2 |
| Cloudy | 25 | 35 | 95 | LOOSE_SAND | 50 | 0.05 | 0.05 | 0.10 | 0.2 | 0.2 | 0.4 | 0.1 | 0.1 | 0.2 |

Table E-15. Maximum Sustainable Speed, Cloudy, 50% Humidity, 5°C (41°F)

| Cloud Cover | RH (%) | °C | °F | Terrain Type | Grade (%) | Max Sustainable Speed (meters/second) | | | Max Sustainable Speed (kilometers/hour) | | | Max Sustainable Speed (miles/hour) | | |
|-------------|--------|----|----|--------------|-----------|---------------------------------------|------|------|---|-----|------|------------------------------------|-----|------|
| | | | | | | Risk Level | | | Risk Level | | | Risk Level | | |
| | | | | | | Low | Mod | High | Low | Mod | High | Low | Mod | High |
| Cloudy | 50 | 5 | 41 | BLACK_TOP | -50 | 1.05 | 1.30 | 1.60 | 3.8 | 4.7 | 5.8 | 2.4 | 2.9 | 3.6 |
| Cloudy | 50 | 5 | 41 | BLACK_TOP | -40 | 1.15 | 1.45 | 1.75 | 4.1 | 5.2 | 6.3 | 2.6 | 3.2 | 3.9 |
| Cloudy | 50 | 5 | 41 | BLACK_TOP | -30 | 1.30 | 1.60 | 1.90 | 4.7 | 5.8 | 6.8 | 2.9 | 3.6 | 4.3 |
| Cloudy | 50 | 5 | 41 | BLACK_TOP | -20 | 1.50 | 1.75 | 2.10 | 5.4 | 6.3 | 7.6 | 3.4 | 3.9 | 4.7 |
| Cloudy | 50 | 5 | 41 | BLACK_TOP | -15 | 1.55 | 1.85 | 2.20 | 5.6 | 6.7 | 7.9 | 3.5 | 4.1 | 4.9 |
| Cloudy | 50 | 5 | 41 | BLACK_TOP | -10 | 1.65 | 1.95 | 2.30 | 5.9 | 7.0 | 8.3 | 3.7 | 4.4 | 5.2 |
| Cloudy | 50 | 5 | 41 | BLACK_TOP | -5 | 1.80 | 2.05 | 2.40 | 6.5 | 7.4 | 8.6 | 4.0 | 4.6 | 5.4 |
| Cloudy | 50 | 5 | 41 | BLACK_TOP | 0 | 1.90 | 2.15 | 2.50 | 6.8 | 7.7 | 9.0 | 4.3 | 4.8 | 5.6 |
| Cloudy | 50 | 5 | 41 | BLACK_TOP | 5 | 1.40 | 1.65 | 2.00 | 5.0 | 5.9 | 7.2 | 3.1 | 3.7 | 4.5 |
| Cloudy | 50 | 5 | 41 | BLACK_TOP | 10 | 1.05 | 1.30 | 1.60 | 3.8 | 4.7 | 5.8 | 2.4 | 2.9 | 3.6 |
| Cloudy | 50 | 5 | 41 | BLACK_TOP | 15 | 0.80 | 1.05 | 1.30 | 2.9 | 3.8 | 4.7 | 1.8 | 2.4 | 2.9 |
| Cloudy | 50 | 5 | 41 | BLACK_TOP | 20 | 0.65 | 0.85 | 1.10 | 2.3 | 3.1 | 4.0 | 1.5 | 1.9 | 2.5 |
| Cloudy | 50 | 5 | 41 | BLACK_TOP | 30 | 0.45 | 0.60 | 0.80 | 1.6 | 2.2 | 2.9 | 1.0 | 1.3 | 1.8 |
| Cloudy | 50 | 5 | 41 | BLACK_TOP | 40 | 0.35 | 0.45 | 0.65 | 1.3 | 1.6 | 2.3 | 0.8 | 1.0 | 1.5 |
| Cloudy | 50 | 5 | 41 | BLACK_TOP | 50 | 0.30 | 0.40 | 0.50 | 1.1 | 1.4 | 1.8 | 0.7 | 0.9 | 1.1 |
| Cloudy | 50 | 5 | 41 | DIRT_ROAD | -50 | 0.95 | 1.20 | 1.50 | 3.4 | 4.3 | 5.4 | 2.1 | 2.7 | 3.4 |
| Cloudy | 50 | 5 | 41 | DIRT_ROAD | -40 | 1.10 | 1.35 | 1.65 | 4.0 | 4.9 | 5.9 | 2.5 | 3.0 | 3.7 |
| Cloudy | 50 | 5 | 41 | DIRT_ROAD | -30 | 1.25 | 1.50 | 1.80 | 4.5 | 5.4 | 6.5 | 2.8 | 3.4 | 4.0 |
| Cloudy | 50 | 5 | 41 | DIRT_ROAD | -20 | 1.40 | 1.65 | 2.00 | 5.0 | 5.9 | 7.2 | 3.1 | 3.7 | 4.5 |
| Cloudy | 50 | 5 | 41 | DIRT_ROAD | -15 | 1.50 | 1.75 | 2.10 | 5.4 | 6.3 | 7.6 | 3.4 | 3.9 | 4.7 |
| Cloudy | 50 | 5 | 41 | DIRT_ROAD | -10 | 1.60 | 1.85 | 2.20 | 5.8 | 6.7 | 7.9 | 3.6 | 4.1 | 4.9 |
| Cloudy | 50 | 5 | 41 | DIRT_ROAD | -5 | 1.70 | 1.95 | 2.30 | 6.1 | 7.0 | 8.3 | 3.8 | 4.4 | 5.2 |
| Cloudy | 50 | 5 | 41 | DIRT_ROAD | 0 | 1.80 | 2.05 | 2.40 | 6.5 | 7.4 | 8.6 | 4.0 | 4.6 | 5.4 |
| Cloudy | 50 | 5 | 41 | DIRT_ROAD | 5 | 1.30 | 1.55 | 1.90 | 4.7 | 5.6 | 6.8 | 2.9 | 3.5 | 4.3 |
| Cloudy | 50 | 5 | 41 | DIRT_ROAD | 10 | 0.95 | 1.20 | 1.50 | 3.4 | 4.3 | 5.4 | 2.1 | 2.7 | 3.4 |
| Cloudy | 50 | 5 | 41 | DIRT_ROAD | 15 | 0.75 | 0.95 | 1.20 | 2.7 | 3.4 | 4.3 | 1.7 | 2.1 | 2.7 |
| Cloudy | 50 | 5 | 41 | DIRT_ROAD | 20 | 0.60 | 0.80 | 1.00 | 2.2 | 2.9 | 3.6 | 1.3 | 1.8 | 2.2 |
| Cloudy | 50 | 5 | 41 | DIRT_ROAD | 30 | 0.40 | 0.55 | 0.75 | 1.4 | 2.0 | 2.7 | 0.9 | 1.2 | 1.7 |
| Cloudy | 50 | 5 | 41 | DIRT_ROAD | 40 | 0.30 | 0.40 | 0.55 | 1.1 | 1.4 | 2.0 | 0.7 | 0.9 | 1.2 |
| Cloudy | 50 | 5 | 41 | DIRT_ROAD | 50 | 0.25 | 0.35 | 0.45 | 0.9 | 1.3 | 1.6 | 0.6 | 0.8 | 1.0 |
| Cloudy | 50 | 5 | 41 | LOOSE_SAND | -50 | 0.55 | 0.70 | 0.90 | 2.0 | 2.5 | 3.2 | 1.2 | 1.6 | 2.0 |
| Cloudy | 50 | 5 | 41 | LOOSE_SAND | -40 | 0.65 | 0.80 | 1.05 | 2.3 | 2.9 | 3.8 | 1.5 | 1.8 | 2.4 |
| Cloudy | 50 | 5 | 41 | LOOSE_SAND | -30 | 0.75 | 0.95 | 1.15 | 2.7 | 3.4 | 4.1 | 1.7 | 2.1 | 2.6 |
| Cloudy | 50 | 5 | 41 | LOOSE_SAND | -20 | 0.90 | 1.10 | 1.35 | 3.2 | 4.0 | 4.9 | 2.0 | 2.5 | 3.0 |
| Cloudy | 50 | 5 | 41 | LOOSE_SAND | -15 | 1.00 | 1.20 | 1.40 | 3.6 | 4.3 | 5.0 | 2.2 | 2.7 | 3.1 |
| Cloudy | 50 | 5 | 41 | LOOSE_SAND | -10 | 1.10 | 1.30 | 1.50 | 4.0 | 4.7 | 5.4 | 2.5 | 2.9 | 3.4 |
| Cloudy | 50 | 5 | 41 | LOOSE_SAND | -5 | 1.20 | 1.40 | 1.60 | 4.3 | 5.0 | 5.8 | 2.7 | 3.1 | 3.6 |
| Cloudy | 50 | 5 | 41 | LOOSE_SAND | 0 | 1.30 | 1.50 | 1.75 | 4.7 | 5.4 | 6.3 | 2.9 | 3.4 | 3.9 |
| Cloudy | 50 | 5 | 41 | LOOSE_SAND | 5 | 0.85 | 1.00 | 1.25 | 3.1 | 3.6 | 4.5 | 1.9 | 2.2 | 2.8 |
| Cloudy | 50 | 5 | 41 | LOOSE_SAND | 10 | 0.55 | 0.70 | 0.90 | 2.0 | 2.5 | 3.2 | 1.2 | 1.6 | 2.0 |
| Cloudy | 50 | 5 | 41 | LOOSE_SAND | 15 | 0.40 | 0.55 | 0.70 | 1.4 | 2.0 | 2.5 | 0.9 | 1.2 | 1.6 |
| Cloudy | 50 | 5 | 41 | LOOSE_SAND | 20 | 0.30 | 0.40 | 0.55 | 1.1 | 1.4 | 2.0 | 0.7 | 0.9 | 1.2 |
| Cloudy | 50 | 5 | 41 | LOOSE_SAND | 30 | 0.20 | 0.30 | 0.40 | 0.7 | 1.1 | 1.4 | 0.4 | 0.7 | 0.9 |
| Cloudy | 50 | 5 | 41 | LOOSE_SAND | 40 | 0.15 | 0.20 | 0.30 | 0.5 | 0.7 | 1.1 | 0.3 | 0.4 | 0.7 |
| Cloudy | 50 | 5 | 41 | LOOSE_SAND | 50 | 0.10 | 0.15 | 0.25 | 0.4 | 0.5 | 0.9 | 0.2 | 0.3 | 0.6 |

Table E-16. Maximum Sustainable Speed, Cloudy, 50 % Humidity, 10°C (50°F)

| Cloud Cover | RH (%) | °C | °F | Terrain Type | Grade (%) | Max Sustainable Speed (meters/second) | | | Max Sustainable Speed (kilometers/hour) | | | Max Sustainable Speed (miles/hour) | | |
|-------------|--------|----|----|--------------|-----------|---------------------------------------|------|------|---|-----|------|------------------------------------|-----|------|
| | | | | | | Risk Level | | | Risk Level | | | Risk Level | | |
| | | | | | | Low | Mod | High | Low | Mod | High | Low | Mod | High |
| Cloudy | 50 | 10 | 50 | BLACK_TOP | -50 | 1.00 | 1.20 | 1.55 | 3.6 | 4.3 | 5.6 | 2.2 | 2.7 | 3.5 |
| Cloudy | 50 | 10 | 50 | BLACK_TOP | -40 | 1.10 | 1.35 | 1.70 | 4.0 | 4.9 | 6.1 | 2.5 | 3.0 | 3.8 |
| Cloudy | 50 | 10 | 50 | BLACK_TOP | -30 | 1.25 | 1.50 | 1.85 | 4.5 | 5.4 | 6.7 | 2.8 | 3.4 | 4.1 |
| Cloudy | 50 | 10 | 50 | BLACK_TOP | -20 | 1.40 | 1.65 | 2.00 | 5.0 | 5.9 | 7.2 | 3.1 | 3.7 | 4.5 |
| Cloudy | 50 | 10 | 50 | BLACK_TOP | -15 | 1.50 | 1.75 | 2.10 | 5.4 | 6.3 | 7.6 | 3.4 | 3.9 | 4.7 |
| Cloudy | 50 | 10 | 50 | BLACK_TOP | -10 | 1.60 | 1.85 | 2.20 | 5.8 | 6.7 | 7.9 | 3.6 | 4.1 | 4.9 |
| Cloudy | 50 | 10 | 50 | BLACK_TOP | -5 | 1.70 | 1.95 | 2.35 | 6.1 | 7.0 | 8.5 | 3.8 | 4.4 | 5.3 |
| Cloudy | 50 | 10 | 50 | BLACK_TOP | 0 | 1.80 | 2.10 | 2.45 | 6.5 | 7.6 | 8.8 | 4.0 | 4.7 | 5.5 |
| Cloudy | 50 | 10 | 50 | BLACK_TOP | 5 | 1.30 | 1.55 | 1.95 | 4.7 | 5.6 | 7.0 | 2.9 | 3.5 | 4.4 |
| Cloudy | 50 | 10 | 50 | BLACK_TOP | 10 | 1.00 | 1.20 | 1.55 | 3.6 | 4.3 | 5.6 | 2.2 | 2.7 | 3.5 |
| Cloudy | 50 | 10 | 50 | BLACK_TOP | 15 | 0.75 | 0.95 | 1.25 | 2.7 | 3.4 | 4.5 | 1.7 | 2.1 | 2.8 |
| Cloudy | 50 | 10 | 50 | BLACK_TOP | 20 | 0.60 | 0.80 | 1.05 | 2.2 | 2.9 | 3.8 | 1.3 | 1.8 | 2.4 |
| Cloudy | 50 | 10 | 50 | BLACK_TOP | 30 | 0.40 | 0.55 | 0.75 | 1.4 | 2.0 | 2.7 | 0.9 | 1.2 | 1.7 |
| Cloudy | 50 | 10 | 50 | BLACK_TOP | 40 | 0.30 | 0.45 | 0.60 | 1.1 | 1.6 | 2.2 | 0.7 | 1.0 | 1.3 |
| Cloudy | 50 | 10 | 50 | BLACK_TOP | 50 | 0.25 | 0.35 | 0.50 | 0.9 | 1.3 | 1.8 | 0.6 | 0.8 | 1.1 |
| Cloudy | 50 | 10 | 50 | DIRT_ROAD | -50 | 0.90 | 1.15 | 1.45 | 3.2 | 4.1 | 5.2 | 2.0 | 2.6 | 3.2 |
| Cloudy | 50 | 10 | 50 | DIRT_ROAD | -40 | 1.00 | 1.25 | 1.60 | 3.6 | 4.5 | 5.8 | 2.2 | 2.8 | 3.6 |
| Cloudy | 50 | 10 | 50 | DIRT_ROAD | -30 | 1.15 | 1.40 | 1.75 | 4.1 | 5.0 | 6.3 | 2.6 | 3.1 | 3.9 |
| Cloudy | 50 | 10 | 50 | DIRT_ROAD | -20 | 1.30 | 1.55 | 1.90 | 4.7 | 5.6 | 6.8 | 2.9 | 3.5 | 4.3 |
| Cloudy | 50 | 10 | 50 | DIRT_ROAD | -15 | 1.40 | 1.65 | 2.00 | 5.0 | 5.9 | 7.2 | 3.1 | 3.7 | 4.5 |
| Cloudy | 50 | 10 | 50 | DIRT_ROAD | -10 | 1.50 | 1.75 | 2.10 | 5.4 | 6.3 | 7.6 | 3.4 | 3.9 | 4.7 |
| Cloudy | 50 | 10 | 50 | DIRT_ROAD | -5 | 1.60 | 1.85 | 2.20 | 5.8 | 6.7 | 7.9 | 3.6 | 4.1 | 4.9 |
| Cloudy | 50 | 10 | 50 | DIRT_ROAD | 0 | 1.70 | 2.00 | 2.35 | 6.1 | 7.2 | 8.5 | 3.8 | 4.5 | 5.3 |
| Cloudy | 50 | 10 | 50 | DIRT_ROAD | 5 | 1.25 | 1.50 | 1.80 | 4.5 | 5.4 | 6.5 | 2.8 | 3.4 | 4.0 |
| Cloudy | 50 | 10 | 50 | DIRT_ROAD | 10 | 0.90 | 1.15 | 1.45 | 3.2 | 4.1 | 5.2 | 2.0 | 2.6 | 3.2 |
| Cloudy | 50 | 10 | 50 | DIRT_ROAD | 15 | 0.70 | 0.90 | 1.15 | 2.5 | 3.2 | 4.1 | 1.6 | 2.0 | 2.6 |
| Cloudy | 50 | 10 | 50 | DIRT_ROAD | 20 | 0.55 | 0.70 | 0.95 | 2.0 | 2.5 | 3.4 | 1.2 | 1.6 | 2.1 |
| Cloudy | 50 | 10 | 50 | DIRT_ROAD | 30 | 0.40 | 0.50 | 0.70 | 1.4 | 1.8 | 2.5 | 0.9 | 1.1 | 1.6 |
| Cloudy | 50 | 10 | 50 | DIRT_ROAD | 40 | 0.30 | 0.40 | 0.55 | 1.1 | 1.4 | 2.0 | 0.7 | 0.9 | 1.2 |
| Cloudy | 50 | 10 | 50 | DIRT_ROAD | 50 | 0.25 | 0.30 | 0.45 | 0.9 | 1.1 | 1.6 | 0.6 | 0.7 | 1.0 |
| Cloudy | 50 | 10 | 50 | LOOSE_SAND | -50 | 0.55 | 0.65 | 0.90 | 2.0 | 2.3 | 3.2 | 1.2 | 1.5 | 2.0 |
| Cloudy | 50 | 10 | 50 | LOOSE_SAND | -40 | 0.60 | 0.75 | 1.00 | 2.2 | 2.7 | 3.6 | 1.3 | 1.7 | 2.2 |
| Cloudy | 50 | 10 | 50 | LOOSE_SAND | -30 | 0.70 | 0.90 | 1.10 | 2.5 | 3.2 | 4.0 | 1.6 | 2.0 | 2.5 |
| Cloudy | 50 | 10 | 50 | LOOSE_SAND | -20 | 0.85 | 1.05 | 1.30 | 3.1 | 3.8 | 4.7 | 1.9 | 2.4 | 2.9 |
| Cloudy | 50 | 10 | 50 | LOOSE_SAND | -15 | 0.95 | 1.10 | 1.35 | 3.4 | 4.0 | 4.9 | 2.1 | 2.5 | 3.0 |
| Cloudy | 50 | 10 | 50 | LOOSE_SAND | -10 | 1.05 | 1.20 | 1.45 | 3.8 | 4.3 | 5.2 | 2.4 | 2.7 | 3.2 |
| Cloudy | 50 | 10 | 50 | LOOSE_SAND | -5 | 1.15 | 1.30 | 1.55 | 4.1 | 4.7 | 5.6 | 2.6 | 2.9 | 3.5 |
| Cloudy | 50 | 10 | 50 | LOOSE_SAND | 0 | 1.25 | 1.40 | 1.70 | 4.5 | 5.0 | 6.1 | 2.8 | 3.1 | 3.8 |
| Cloudy | 50 | 10 | 50 | LOOSE_SAND | 5 | 0.80 | 0.95 | 1.20 | 2.9 | 3.4 | 4.3 | 1.8 | 2.1 | 2.7 |
| Cloudy | 50 | 10 | 50 | LOOSE_SAND | 10 | 0.55 | 0.65 | 0.90 | 2.0 | 2.3 | 3.2 | 1.2 | 1.5 | 2.0 |
| Cloudy | 50 | 10 | 50 | LOOSE_SAND | 15 | 0.40 | 0.50 | 0.65 | 1.4 | 1.8 | 2.3 | 0.9 | 1.1 | 1.5 |
| Cloudy | 50 | 10 | 50 | LOOSE_SAND | 20 | 0.30 | 0.40 | 0.55 | 1.1 | 1.4 | 2.0 | 0.7 | 0.9 | 1.2 |
| Cloudy | 50 | 10 | 50 | LOOSE_SAND | 30 | 0.20 | 0.25 | 0.35 | 0.7 | 0.9 | 1.3 | 0.4 | 0.6 | 0.8 |
| Cloudy | 50 | 10 | 50 | LOOSE_SAND | 40 | 0.15 | 0.20 | 0.30 | 0.5 | 0.7 | 1.1 | 0.3 | 0.4 | 0.7 |
| Cloudy | 50 | 10 | 50 | LOOSE_SAND | 50 | 0.10 | 0.15 | 0.20 | 0.4 | 0.5 | 0.7 | 0.2 | 0.3 | 0.4 |

Table E-17. Maximum Sustainable Speed, Cloudy, 50% Humidity, 15°C (59°F)

| Cloud Cover | RH (%) | °C | °F | Terrain Type | Grade (%) | Max Sustainable Speed (meters/second) | | | Max Sustainable Speed (kilometers/hour) | | | Max Sustainable Speed (miles/hour) | | |
|-------------|--------|----|----|--------------|-----------|---------------------------------------|------|------|---|-----|------|------------------------------------|-----|------|
| | | | | | | Risk Level | | | Risk Level | | | Risk Level | | |
| | | | | | | Low | Mod | High | Low | Mod | High | Low | Mod | High |
| Cloudy | 50 | 15 | 59 | BLACK_TOP | -50 | 0.90 | 1.10 | 1.40 | 3.2 | 4.0 | 5.0 | 2.0 | 2.5 | 3.1 |
| Cloudy | 50 | 15 | 59 | BLACK_TOP | -40 | 1.00 | 1.25 | 1.55 | 3.6 | 4.5 | 5.6 | 2.2 | 2.8 | 3.5 |
| Cloudy | 50 | 15 | 59 | BLACK_TOP | -30 | 1.15 | 1.40 | 1.70 | 4.1 | 5.0 | 6.1 | 2.6 | 3.1 | 3.8 |
| Cloudy | 50 | 15 | 59 | BLACK_TOP | -20 | 1.30 | 1.55 | 1.85 | 4.7 | 5.6 | 6.7 | 2.9 | 3.5 | 4.1 |
| Cloudy | 50 | 15 | 59 | BLACK_TOP | -15 | 1.40 | 1.65 | 1.95 | 5.0 | 5.9 | 7.0 | 3.1 | 3.7 | 4.4 |
| Cloudy | 50 | 15 | 59 | BLACK_TOP | -10 | 1.50 | 1.75 | 2.05 | 5.4 | 6.3 | 7.4 | 3.4 | 3.9 | 4.6 |
| Cloudy | 50 | 15 | 59 | BLACK_TOP | -5 | 1.60 | 1.85 | 2.15 | 5.8 | 6.7 | 7.7 | 3.6 | 4.1 | 4.8 |
| Cloudy | 50 | 15 | 59 | BLACK_TOP | 0 | 1.70 | 2.00 | 2.30 | 6.1 | 7.2 | 8.3 | 3.8 | 4.5 | 5.2 |
| Cloudy | 50 | 15 | 59 | BLACK_TOP | 5 | 1.20 | 1.50 | 1.75 | 4.3 | 5.4 | 6.3 | 2.7 | 3.4 | 3.9 |
| Cloudy | 50 | 15 | 59 | BLACK_TOP | 10 | 0.90 | 1.10 | 1.40 | 3.2 | 4.0 | 5.0 | 2.0 | 2.5 | 3.1 |
| Cloudy | 50 | 15 | 59 | BLACK_TOP | 15 | 0.70 | 0.90 | 1.10 | 2.5 | 3.2 | 4.0 | 1.6 | 2.0 | 2.5 |
| Cloudy | 50 | 15 | 59 | BLACK_TOP | 20 | 0.55 | 0.70 | 0.90 | 2.0 | 2.5 | 3.2 | 1.2 | 1.6 | 2.0 |
| Cloudy | 50 | 15 | 59 | BLACK_TOP | 30 | 0.40 | 0.50 | 0.65 | 1.4 | 1.8 | 2.3 | 0.9 | 1.1 | 1.5 |
| Cloudy | 50 | 15 | 59 | BLACK_TOP | 40 | 0.30 | 0.40 | 0.50 | 1.1 | 1.4 | 1.8 | 0.7 | 0.9 | 1.1 |
| Cloudy | 50 | 15 | 59 | BLACK_TOP | 50 | 0.20 | 0.30 | 0.40 | 0.7 | 1.1 | 1.4 | 0.4 | 0.7 | 0.9 |
| Cloudy | 50 | 15 | 59 | DIRT_ROAD | -50 | 0.85 | 1.05 | 1.30 | 3.1 | 3.8 | 4.7 | 1.9 | 2.4 | 2.9 |
| Cloudy | 50 | 15 | 59 | DIRT_ROAD | -40 | 0.95 | 1.15 | 1.45 | 3.4 | 4.1 | 5.2 | 2.1 | 2.6 | 3.2 |
| Cloudy | 50 | 15 | 59 | DIRT_ROAD | -30 | 1.05 | 1.30 | 1.60 | 3.8 | 4.7 | 5.8 | 2.4 | 2.9 | 3.6 |
| Cloudy | 50 | 15 | 59 | DIRT_ROAD | -20 | 1.20 | 1.45 | 1.75 | 4.3 | 5.2 | 6.3 | 2.7 | 3.2 | 3.9 |
| Cloudy | 50 | 15 | 59 | DIRT_ROAD | -15 | 1.30 | 1.55 | 1.85 | 4.7 | 5.6 | 6.7 | 2.9 | 3.5 | 4.1 |
| Cloudy | 50 | 15 | 59 | DIRT_ROAD | -10 | 1.40 | 1.65 | 1.95 | 5.0 | 5.9 | 7.0 | 3.1 | 3.7 | 4.4 |
| Cloudy | 50 | 15 | 59 | DIRT_ROAD | -5 | 1.50 | 1.75 | 2.05 | 5.4 | 6.3 | 7.4 | 3.4 | 3.9 | 4.6 |
| Cloudy | 50 | 15 | 59 | DIRT_ROAD | 0 | 1.60 | 1.90 | 2.15 | 5.8 | 6.8 | 7.7 | 3.6 | 4.3 | 4.8 |
| Cloudy | 50 | 15 | 59 | DIRT_ROAD | 5 | 1.15 | 1.40 | 1.65 | 4.1 | 5.0 | 5.9 | 2.6 | 3.1 | 3.7 |
| Cloudy | 50 | 15 | 59 | DIRT_ROAD | 10 | 0.85 | 1.05 | 1.30 | 3.1 | 3.8 | 4.7 | 1.9 | 2.4 | 2.9 |
| Cloudy | 50 | 15 | 59 | DIRT_ROAD | 15 | 0.65 | 0.80 | 1.05 | 2.3 | 2.9 | 3.8 | 1.5 | 1.8 | 2.4 |
| Cloudy | 50 | 15 | 59 | DIRT_ROAD | 20 | 0.50 | 0.65 | 0.85 | 1.8 | 2.3 | 3.1 | 1.1 | 1.5 | 1.9 |
| Cloudy | 50 | 15 | 59 | DIRT_ROAD | 30 | 0.35 | 0.45 | 0.60 | 1.3 | 1.6 | 2.2 | 0.8 | 1.0 | 1.3 |
| Cloudy | 50 | 15 | 59 | DIRT_ROAD | 40 | 0.25 | 0.35 | 0.45 | 0.9 | 1.3 | 1.6 | 0.6 | 0.8 | 1.0 |
| Cloudy | 50 | 15 | 59 | DIRT_ROAD | 50 | 0.20 | 0.30 | 0.35 | 0.7 | 1.1 | 1.3 | 0.4 | 0.7 | 0.8 |
| Cloudy | 50 | 15 | 59 | LOOSE_SAND | -50 | 0.50 | 0.60 | 0.80 | 1.8 | 2.2 | 2.9 | 1.1 | 1.3 | 1.8 |
| Cloudy | 50 | 15 | 59 | LOOSE_SAND | -40 | 0.55 | 0.70 | 0.90 | 2.0 | 2.5 | 3.2 | 1.2 | 1.6 | 2.0 |
| Cloudy | 50 | 15 | 59 | LOOSE_SAND | -30 | 0.65 | 0.80 | 1.00 | 2.3 | 2.9 | 3.6 | 1.5 | 1.8 | 2.2 |
| Cloudy | 50 | 15 | 59 | LOOSE_SAND | -20 | 0.80 | 0.95 | 1.15 | 2.9 | 3.4 | 4.1 | 1.8 | 2.1 | 2.6 |
| Cloudy | 50 | 15 | 59 | LOOSE_SAND | -15 | 0.85 | 1.05 | 1.25 | 3.1 | 3.8 | 4.5 | 1.9 | 2.4 | 2.8 |
| Cloudy | 50 | 15 | 59 | LOOSE_SAND | -10 | 0.95 | 1.15 | 1.35 | 3.4 | 4.1 | 4.9 | 2.1 | 2.6 | 3.0 |
| Cloudy | 50 | 15 | 59 | LOOSE_SAND | -5 | 1.05 | 1.25 | 1.45 | 3.8 | 4.5 | 5.2 | 2.4 | 2.8 | 3.2 |
| Cloudy | 50 | 15 | 59 | LOOSE_SAND | 0 | 1.15 | 1.35 | 1.55 | 4.1 | 4.9 | 5.6 | 2.6 | 3.0 | 3.5 |
| Cloudy | 50 | 15 | 59 | LOOSE_SAND | 5 | 0.70 | 0.90 | 1.10 | 2.5 | 3.2 | 4.0 | 1.6 | 2.0 | 2.5 |
| Cloudy | 50 | 15 | 59 | LOOSE_SAND | 10 | 0.50 | 0.60 | 0.80 | 1.8 | 2.2 | 2.9 | 1.1 | 1.3 | 1.8 |
| Cloudy | 50 | 15 | 59 | LOOSE_SAND | 15 | 0.35 | 0.45 | 0.60 | 1.3 | 1.6 | 2.2 | 0.8 | 1.0 | 1.3 |
| Cloudy | 50 | 15 | 59 | LOOSE_SAND | 20 | 0.25 | 0.35 | 0.45 | 0.9 | 1.3 | 1.6 | 0.6 | 0.8 | 1.0 |
| Cloudy | 50 | 15 | 59 | LOOSE_SAND | 30 | 0.15 | 0.25 | 0.30 | 0.5 | 0.9 | 1.1 | 0.3 | 0.6 | 0.7 |
| Cloudy | 50 | 15 | 59 | LOOSE_SAND | 40 | 0.10 | 0.15 | 0.25 | 0.4 | 0.5 | 0.9 | 0.2 | 0.3 | 0.6 |
| Cloudy | 50 | 15 | 59 | LOOSE_SAND | 50 | 0.10 | 0.15 | 0.20 | 0.4 | 0.5 | 0.7 | 0.2 | 0.3 | 0.4 |

Table E-18. Maximum Sustainable Speed, Cloudy, 50% Humidity, 20°C (68°F)

| Cloud Cover | RH (%) | °C | °F | Terrain Type | Grade (%) | Max Sustainable Speed (meters/second) | | | Max Sustainable Speed (kilometers/hour) | | | Max Sustainable Speed (miles/hour) | | |
|-------------|--------|----|----|--------------|-----------|---------------------------------------|------|------|---|-----|------|------------------------------------|-----|------|
| | | | | | | Risk Level | | | Risk Level | | | Risk Level | | |
| | | | | | | Low | Mod | High | Low | Mod | High | Low | Mod | High |
| Cloudy | 50 | 20 | 68 | BLACK_TOP | -50 | 0.80 | 1.05 | 1.20 | 2.9 | 3.8 | 4.3 | 1.8 | 2.4 | 2.7 |
| Cloudy | 50 | 20 | 68 | BLACK_TOP | -40 | 0.90 | 1.15 | 1.35 | 3.2 | 4.1 | 4.9 | 2.0 | 2.6 | 3.0 |
| Cloudy | 50 | 20 | 68 | BLACK_TOP | -30 | 1.05 | 1.30 | 1.50 | 3.8 | 4.7 | 5.4 | 2.4 | 2.9 | 3.4 |
| Cloudy | 50 | 20 | 68 | BLACK_TOP | -20 | 1.20 | 1.45 | 1.65 | 4.3 | 5.2 | 5.9 | 2.7 | 3.2 | 3.7 |
| Cloudy | 50 | 20 | 68 | BLACK_TOP | -15 | 1.30 | 1.55 | 1.75 | 4.7 | 5.6 | 6.3 | 2.9 | 3.5 | 3.9 |
| Cloudy | 50 | 20 | 68 | BLACK_TOP | -10 | 1.40 | 1.65 | 1.85 | 5.0 | 5.9 | 6.7 | 3.1 | 3.7 | 4.1 |
| Cloudy | 50 | 20 | 68 | BLACK_TOP | -5 | 1.50 | 1.75 | 1.95 | 5.4 | 6.3 | 7.0 | 3.4 | 3.9 | 4.4 |
| Cloudy | 50 | 20 | 68 | BLACK_TOP | 0 | 1.60 | 1.85 | 2.10 | 5.8 | 6.7 | 7.6 | 3.6 | 4.1 | 4.7 |
| Cloudy | 50 | 20 | 68 | BLACK_TOP | 5 | 1.10 | 1.35 | 1.60 | 4.0 | 4.9 | 5.8 | 2.5 | 3.0 | 3.6 |
| Cloudy | 50 | 20 | 68 | BLACK_TOP | 10 | 0.80 | 1.05 | 1.20 | 2.9 | 3.8 | 4.3 | 1.8 | 2.4 | 2.7 |
| Cloudy | 50 | 20 | 68 | BLACK_TOP | 15 | 0.60 | 0.80 | 0.95 | 2.2 | 2.9 | 3.4 | 1.3 | 1.8 | 2.1 |
| Cloudy | 50 | 20 | 68 | BLACK_TOP | 20 | 0.50 | 0.65 | 0.80 | 1.8 | 2.3 | 2.9 | 1.1 | 1.5 | 1.8 |
| Cloudy | 50 | 20 | 68 | BLACK_TOP | 30 | 0.35 | 0.45 | 0.55 | 1.3 | 1.6 | 2.0 | 0.8 | 1.0 | 1.2 |
| Cloudy | 50 | 20 | 68 | BLACK_TOP | 40 | 0.25 | 0.35 | 0.45 | 0.9 | 1.3 | 1.6 | 0.6 | 0.8 | 1.0 |
| Cloudy | 50 | 20 | 68 | BLACK_TOP | 50 | 0.20 | 0.30 | 0.35 | 0.7 | 1.1 | 1.3 | 0.4 | 0.7 | 0.8 |
| Cloudy | 50 | 20 | 68 | DIRT_ROAD | -50 | 0.75 | 0.95 | 1.15 | 2.7 | 3.4 | 4.1 | 1.7 | 2.1 | 2.6 |
| Cloudy | 50 | 20 | 68 | DIRT_ROAD | -40 | 0.85 | 1.10 | 1.25 | 3.1 | 4.0 | 4.5 | 1.9 | 2.5 | 2.8 |
| Cloudy | 50 | 20 | 68 | DIRT_ROAD | -30 | 0.95 | 1.20 | 1.40 | 3.4 | 4.3 | 5.0 | 2.1 | 2.7 | 3.1 |
| Cloudy | 50 | 20 | 68 | DIRT_ROAD | -20 | 1.10 | 1.35 | 1.55 | 4.0 | 4.9 | 5.6 | 2.5 | 3.0 | 3.5 |
| Cloudy | 50 | 20 | 68 | DIRT_ROAD | -15 | 1.20 | 1.45 | 1.65 | 4.3 | 5.2 | 5.9 | 2.7 | 3.2 | 3.7 |
| Cloudy | 50 | 20 | 68 | DIRT_ROAD | -10 | 1.30 | 1.55 | 1.75 | 4.7 | 5.6 | 6.3 | 2.9 | 3.5 | 3.9 |
| Cloudy | 50 | 20 | 68 | DIRT_ROAD | -5 | 1.40 | 1.65 | 1.85 | 5.0 | 5.9 | 6.7 | 3.1 | 3.7 | 4.1 |
| Cloudy | 50 | 20 | 68 | DIRT_ROAD | 0 | 1.50 | 1.80 | 2.00 | 5.4 | 6.5 | 7.2 | 3.4 | 4.0 | 4.5 |
| Cloudy | 50 | 20 | 68 | DIRT_ROAD | 5 | 1.05 | 1.30 | 1.50 | 3.8 | 4.7 | 5.4 | 2.4 | 2.9 | 3.4 |
| Cloudy | 50 | 20 | 68 | DIRT_ROAD | 10 | 0.75 | 0.95 | 1.15 | 2.7 | 3.4 | 4.1 | 1.7 | 2.1 | 2.6 |
| Cloudy | 50 | 20 | 68 | DIRT_ROAD | 15 | 0.55 | 0.75 | 0.90 | 2.0 | 2.7 | 3.2 | 1.2 | 1.7 | 2.0 |
| Cloudy | 50 | 20 | 68 | DIRT_ROAD | 20 | 0.45 | 0.60 | 0.70 | 1.6 | 2.2 | 2.5 | 1.0 | 1.3 | 1.6 |
| Cloudy | 50 | 20 | 68 | DIRT_ROAD | 30 | 0.30 | 0.40 | 0.50 | 1.1 | 1.4 | 1.8 | 0.7 | 0.9 | 1.1 |
| Cloudy | 50 | 20 | 68 | DIRT_ROAD | 40 | 0.20 | 0.30 | 0.40 | 0.7 | 1.1 | 1.4 | 0.4 | 0.7 | 0.9 |
| Cloudy | 50 | 20 | 68 | DIRT_ROAD | 50 | 0.20 | 0.25 | 0.30 | 0.7 | 0.9 | 1.1 | 0.4 | 0.6 | 0.7 |
| Cloudy | 50 | 20 | 68 | LOOSE_SAND | -50 | 0.40 | 0.55 | 0.65 | 1.4 | 2.0 | 2.3 | 0.9 | 1.2 | 1.5 |
| Cloudy | 50 | 20 | 68 | LOOSE_SAND | -40 | 0.50 | 0.65 | 0.75 | 1.8 | 2.3 | 2.7 | 1.1 | 1.5 | 1.7 |
| Cloudy | 50 | 20 | 68 | LOOSE_SAND | -30 | 0.60 | 0.75 | 0.90 | 2.2 | 2.7 | 3.2 | 1.3 | 1.7 | 2.0 |
| Cloudy | 50 | 20 | 68 | LOOSE_SAND | -20 | 0.70 | 0.90 | 1.05 | 2.5 | 3.2 | 3.8 | 1.6 | 2.0 | 2.4 |
| Cloudy | 50 | 20 | 68 | LOOSE_SAND | -15 | 0.80 | 1.00 | 1.10 | 2.9 | 3.6 | 4.0 | 1.8 | 2.2 | 2.5 |
| Cloudy | 50 | 20 | 68 | LOOSE_SAND | -10 | 0.90 | 1.05 | 1.20 | 3.2 | 3.8 | 4.3 | 2.0 | 2.4 | 2.7 |
| Cloudy | 50 | 20 | 68 | LOOSE_SAND | -5 | 1.00 | 1.15 | 1.30 | 3.6 | 4.1 | 4.7 | 2.2 | 2.6 | 2.9 |
| Cloudy | 50 | 20 | 68 | LOOSE_SAND | 0 | 1.10 | 1.30 | 1.45 | 4.0 | 4.7 | 5.2 | 2.5 | 2.9 | 3.2 |
| Cloudy | 50 | 20 | 68 | LOOSE_SAND | 5 | 0.65 | 0.80 | 0.95 | 2.3 | 2.9 | 3.4 | 1.5 | 1.8 | 2.1 |
| Cloudy | 50 | 20 | 68 | LOOSE_SAND | 10 | 0.40 | 0.55 | 0.65 | 1.4 | 2.0 | 2.3 | 0.9 | 1.2 | 1.5 |
| Cloudy | 50 | 20 | 68 | LOOSE_SAND | 15 | 0.30 | 0.40 | 0.50 | 1.1 | 1.4 | 1.8 | 0.7 | 0.9 | 1.1 |
| Cloudy | 50 | 20 | 68 | LOOSE_SAND | 20 | 0.25 | 0.30 | 0.40 | 0.9 | 1.1 | 1.4 | 0.6 | 0.7 | 0.9 |
| Cloudy | 50 | 20 | 68 | LOOSE_SAND | 30 | 0.15 | 0.20 | 0.25 | 0.5 | 0.7 | 0.9 | 0.3 | 0.4 | 0.6 |
| Cloudy | 50 | 20 | 68 | LOOSE_SAND | 40 | 0.10 | 0.15 | 0.20 | 0.4 | 0.5 | 0.7 | 0.2 | 0.3 | 0.4 |
| Cloudy | 50 | 20 | 68 | LOOSE_SAND | 50 | 0.10 | 0.10 | 0.15 | 0.4 | 0.4 | 0.5 | 0.2 | 0.2 | 0.3 |

Table E-19. Maximum Sustainable Speed, Cloudy, 50% Humidity, 25°C (77°F)

| Cloud Cover | RH (%) | °C | °F | Terrain Type | Grade (%) | Max Sustainable Speed (meters/second) | | | Max Sustainable Speed (kilometers/hour) | | | Max Sustainable Speed (miles/hour) | | |
|-------------|--------|----|----|--------------|-----------|---------------------------------------|------|------|---|-----|------|------------------------------------|-----|------|
| | | | | | | Risk Level | | | Risk Level | | | Risk Level | | |
| | | | | | | Low | Mod | High | Low | Mod | High | Low | Mod | High |
| Cloudy | 50 | 25 | 77 | BLACK_TOP | -50 | 0.70 | 0.90 | 1.05 | 2.5 | 3.2 | 3.8 | 1.6 | 2.0 | 2.4 |
| Cloudy | 50 | 25 | 77 | BLACK_TOP | -40 | 0.80 | 1.00 | 1.15 | 2.9 | 3.6 | 4.1 | 1.8 | 2.2 | 2.6 |
| Cloudy | 50 | 25 | 77 | BLACK_TOP | -30 | 0.95 | 1.15 | 1.30 | 3.4 | 4.1 | 4.7 | 2.1 | 2.6 | 2.9 |
| Cloudy | 50 | 25 | 77 | BLACK_TOP | -20 | 1.10 | 1.30 | 1.45 | 4.0 | 4.7 | 5.2 | 2.5 | 2.9 | 3.2 |
| Cloudy | 50 | 25 | 77 | BLACK_TOP | -15 | 1.15 | 1.40 | 1.55 | 4.1 | 5.0 | 5.6 | 2.6 | 3.1 | 3.5 |
| Cloudy | 50 | 25 | 77 | BLACK_TOP | -10 | 1.25 | 1.50 | 1.65 | 4.5 | 5.4 | 5.9 | 2.8 | 3.4 | 3.7 |
| Cloudy | 50 | 25 | 77 | BLACK_TOP | -5 | 1.35 | 1.60 | 1.75 | 4.9 | 5.8 | 6.3 | 3.0 | 3.6 | 3.9 |
| Cloudy | 50 | 25 | 77 | BLACK_TOP | 0 | 1.50 | 1.70 | 1.85 | 5.4 | 6.1 | 6.7 | 3.4 | 3.8 | 4.1 |
| Cloudy | 50 | 25 | 77 | BLACK_TOP | 5 | 1.00 | 1.20 | 1.35 | 3.6 | 4.3 | 4.9 | 2.2 | 2.7 | 3.0 |
| Cloudy | 50 | 25 | 77 | BLACK_TOP | 10 | 0.70 | 0.90 | 1.05 | 2.5 | 3.2 | 3.8 | 1.6 | 2.0 | 2.4 |
| Cloudy | 50 | 25 | 77 | BLACK_TOP | 15 | 0.55 | 0.70 | 0.80 | 2.0 | 2.5 | 2.9 | 1.2 | 1.6 | 1.8 |
| Cloudy | 50 | 25 | 77 | BLACK_TOP | 20 | 0.40 | 0.55 | 0.65 | 1.4 | 2.0 | 2.3 | 0.9 | 1.2 | 1.5 |
| Cloudy | 50 | 25 | 77 | BLACK_TOP | 30 | 0.30 | 0.35 | 0.45 | 1.1 | 1.3 | 1.6 | 0.7 | 0.8 | 1.0 |
| Cloudy | 50 | 25 | 77 | BLACK_TOP | 40 | 0.20 | 0.30 | 0.35 | 0.7 | 1.1 | 1.3 | 0.4 | 0.7 | 0.8 |
| Cloudy | 50 | 25 | 77 | BLACK_TOP | 50 | 0.15 | 0.20 | 0.25 | 0.5 | 0.7 | 0.9 | 0.3 | 0.4 | 0.6 |
| Cloudy | 50 | 25 | 77 | DIRT_ROAD | -50 | 0.65 | 0.80 | 0.95 | 2.3 | 2.9 | 3.4 | 1.5 | 1.8 | 2.1 |
| Cloudy | 50 | 25 | 77 | DIRT_ROAD | -40 | 0.75 | 0.95 | 1.05 | 2.7 | 3.4 | 3.8 | 1.7 | 2.1 | 2.4 |
| Cloudy | 50 | 25 | 77 | DIRT_ROAD | -30 | 0.85 | 1.05 | 1.20 | 3.1 | 3.8 | 4.3 | 1.9 | 2.4 | 2.7 |
| Cloudy | 50 | 25 | 77 | DIRT_ROAD | -20 | 1.00 | 1.20 | 1.35 | 3.6 | 4.3 | 4.9 | 2.2 | 2.7 | 3.0 |
| Cloudy | 50 | 25 | 77 | DIRT_ROAD | -15 | 1.10 | 1.30 | 1.45 | 4.0 | 4.7 | 5.2 | 2.5 | 2.9 | 3.2 |
| Cloudy | 50 | 25 | 77 | DIRT_ROAD | -10 | 1.20 | 1.40 | 1.55 | 4.3 | 5.0 | 5.6 | 2.7 | 3.1 | 3.5 |
| Cloudy | 50 | 25 | 77 | DIRT_ROAD | -5 | 1.30 | 1.50 | 1.65 | 4.7 | 5.4 | 5.9 | 2.9 | 3.4 | 3.7 |
| Cloudy | 50 | 25 | 77 | DIRT_ROAD | 0 | 1.40 | 1.60 | 1.80 | 5.0 | 5.8 | 6.5 | 3.1 | 3.6 | 4.0 |
| Cloudy | 50 | 25 | 77 | DIRT_ROAD | 5 | 0.95 | 1.15 | 1.30 | 3.4 | 4.1 | 4.7 | 2.1 | 2.6 | 2.9 |
| Cloudy | 50 | 25 | 77 | DIRT_ROAD | 10 | 0.65 | 0.80 | 0.95 | 2.3 | 2.9 | 3.4 | 1.5 | 1.8 | 2.1 |
| Cloudy | 50 | 25 | 77 | DIRT_ROAD | 15 | 0.50 | 0.60 | 0.75 | 1.8 | 2.2 | 2.7 | 1.1 | 1.3 | 1.7 |
| Cloudy | 50 | 25 | 77 | DIRT_ROAD | 20 | 0.40 | 0.50 | 0.60 | 1.4 | 1.8 | 2.2 | 0.9 | 1.1 | 1.3 |
| Cloudy | 50 | 25 | 77 | DIRT_ROAD | 30 | 0.25 | 0.35 | 0.40 | 0.9 | 1.3 | 1.4 | 0.6 | 0.8 | 0.9 |
| Cloudy | 50 | 25 | 77 | DIRT_ROAD | 40 | 0.20 | 0.25 | 0.30 | 0.7 | 0.9 | 1.1 | 0.4 | 0.6 | 0.7 |
| Cloudy | 50 | 25 | 77 | DIRT_ROAD | 50 | 0.15 | 0.20 | 0.25 | 0.5 | 0.7 | 0.9 | 0.3 | 0.4 | 0.6 |
| Cloudy | 50 | 25 | 77 | LOOSE_SAND | -50 | 0.35 | 0.45 | 0.55 | 1.3 | 1.6 | 2.0 | 0.8 | 1.0 | 1.2 |
| Cloudy | 50 | 25 | 77 | LOOSE_SAND | -40 | 0.45 | 0.55 | 0.65 | 1.6 | 2.0 | 2.3 | 1.0 | 1.2 | 1.5 |
| Cloudy | 50 | 25 | 77 | LOOSE_SAND | -30 | 0.55 | 0.65 | 0.75 | 2.0 | 2.3 | 2.7 | 1.2 | 1.5 | 1.7 |
| Cloudy | 50 | 25 | 77 | LOOSE_SAND | -20 | 0.65 | 0.80 | 0.90 | 2.3 | 2.9 | 3.2 | 1.5 | 1.8 | 2.0 |
| Cloudy | 50 | 25 | 77 | LOOSE_SAND | -15 | 0.70 | 0.85 | 1.00 | 2.5 | 3.1 | 3.6 | 1.6 | 1.9 | 2.2 |
| Cloudy | 50 | 25 | 77 | LOOSE_SAND | -10 | 0.80 | 0.95 | 1.05 | 2.9 | 3.4 | 3.8 | 1.8 | 2.1 | 2.4 |
| Cloudy | 50 | 25 | 77 | LOOSE_SAND | -5 | 0.90 | 1.05 | 1.15 | 3.2 | 3.8 | 4.1 | 2.0 | 2.4 | 2.6 |
| Cloudy | 50 | 25 | 77 | LOOSE_SAND | 0 | 1.00 | 1.15 | 1.30 | 3.6 | 4.1 | 4.7 | 2.2 | 2.6 | 2.9 |
| Cloudy | 50 | 25 | 77 | LOOSE_SAND | 5 | 0.60 | 0.70 | 0.80 | 2.2 | 2.5 | 2.9 | 1.3 | 1.6 | 1.8 |
| Cloudy | 50 | 25 | 77 | LOOSE_SAND | 10 | 0.35 | 0.45 | 0.55 | 1.3 | 1.6 | 2.0 | 0.8 | 1.0 | 1.2 |
| Cloudy | 50 | 25 | 77 | LOOSE_SAND | 15 | 0.25 | 0.35 | 0.40 | 0.9 | 1.3 | 1.4 | 0.6 | 0.8 | 0.9 |
| Cloudy | 50 | 25 | 77 | LOOSE_SAND | 20 | 0.20 | 0.25 | 0.30 | 0.7 | 0.9 | 1.1 | 0.4 | 0.6 | 0.7 |
| Cloudy | 50 | 25 | 77 | LOOSE_SAND | 30 | 0.15 | 0.15 | 0.20 | 0.5 | 0.5 | 0.7 | 0.3 | 0.3 | 0.4 |
| Cloudy | 50 | 25 | 77 | LOOSE_SAND | 40 | 0.10 | 0.10 | 0.15 | 0.4 | 0.4 | 0.5 | 0.2 | 0.2 | 0.3 |
| Cloudy | 50 | 25 | 77 | LOOSE_SAND | 50 | 0.05 | 0.10 | 0.10 | 0.2 | 0.4 | 0.4 | 0.1 | 0.2 | 0.2 |

Table E-20. Maximum Sustainable Speed, Cloudy, 50% Humidity, 30°C (86°F)

| Cloud Cover | RH (%) | °C | °F | Terrain Type | Grade (%) | Max Sustainable Speed (meters/second) | | | Max Sustainable Speed (kilometers/hour) | | | Max Sustainable Speed (miles/hour) | | |
|-------------|--------|----|----|--------------|-----------|---------------------------------------|------|------|---|-----|------|------------------------------------|-----|------|
| | | | | | | Risk Level | | | Risk Level | | | Risk Level | | |
| | | | | | | Low | Mod | High | Low | Mod | High | Low | Mod | High |
| Cloudy | 50 | 30 | 86 | BLACK_TOP | -50 | 0.60 | 0.70 | 0.80 | 2.2 | 2.5 | 2.9 | 1.3 | 1.6 | 1.8 |
| Cloudy | 50 | 30 | 86 | BLACK_TOP | -40 | 0.70 | 0.80 | 0.90 | 2.5 | 2.9 | 3.2 | 1.6 | 1.8 | 2.0 |
| Cloudy | 50 | 30 | 86 | BLACK_TOP | -30 | 0.80 | 0.90 | 1.05 | 2.9 | 3.2 | 3.8 | 1.8 | 2.0 | 2.4 |
| Cloudy | 50 | 30 | 86 | BLACK_TOP | -20 | 0.95 | 1.05 | 1.20 | 3.4 | 3.8 | 4.3 | 2.1 | 2.4 | 2.7 |
| Cloudy | 50 | 30 | 86 | BLACK_TOP | -15 | 1.00 | 1.15 | 1.30 | 3.6 | 4.1 | 4.7 | 2.2 | 2.6 | 2.9 |
| Cloudy | 50 | 30 | 86 | BLACK_TOP | -10 | 1.10 | 1.25 | 1.40 | 4.0 | 4.5 | 5.0 | 2.5 | 2.8 | 3.1 |
| Cloudy | 50 | 30 | 86 | BLACK_TOP | -5 | 1.20 | 1.35 | 1.50 | 4.3 | 4.9 | 5.4 | 2.7 | 3.0 | 3.4 |
| Cloudy | 50 | 30 | 86 | BLACK_TOP | 0 | 1.30 | 1.45 | 1.60 | 4.7 | 5.2 | 5.8 | 2.9 | 3.2 | 3.6 |
| Cloudy | 50 | 30 | 86 | BLACK_TOP | 5 | 0.85 | 1.00 | 1.10 | 3.1 | 3.6 | 4.0 | 1.9 | 2.2 | 2.5 |
| Cloudy | 50 | 30 | 86 | BLACK_TOP | 10 | 0.60 | 0.70 | 0.80 | 2.2 | 2.5 | 2.9 | 1.3 | 1.6 | 1.8 |
| Cloudy | 50 | 30 | 86 | BLACK_TOP | 15 | 0.45 | 0.50 | 0.60 | 1.6 | 1.8 | 2.2 | 1.0 | 1.1 | 1.3 |
| Cloudy | 50 | 30 | 86 | BLACK_TOP | 20 | 0.35 | 0.40 | 0.50 | 1.3 | 1.4 | 1.8 | 0.8 | 0.9 | 1.1 |
| Cloudy | 50 | 30 | 86 | BLACK_TOP | 30 | 0.25 | 0.25 | 0.35 | 0.9 | 0.9 | 1.3 | 0.6 | 0.6 | 0.8 |
| Cloudy | 50 | 30 | 86 | BLACK_TOP | 40 | 0.15 | 0.20 | 0.25 | 0.5 | 0.7 | 0.9 | 0.3 | 0.4 | 0.6 |
| Cloudy | 50 | 30 | 86 | BLACK_TOP | 50 | 0.15 | 0.15 | 0.20 | 0.5 | 0.5 | 0.7 | 0.3 | 0.3 | 0.4 |
| Cloudy | 50 | 30 | 86 | DIRT_ROAD | -50 | 0.55 | 0.65 | 0.75 | 2.0 | 2.3 | 2.7 | 1.2 | 1.5 | 1.7 |
| Cloudy | 50 | 30 | 86 | DIRT_ROAD | -40 | 0.65 | 0.75 | 0.85 | 2.3 | 2.7 | 3.1 | 1.5 | 1.7 | 1.9 |
| Cloudy | 50 | 30 | 86 | DIRT_ROAD | -30 | 0.75 | 0.85 | 0.95 | 2.7 | 3.1 | 3.4 | 1.7 | 1.9 | 2.1 |
| Cloudy | 50 | 30 | 86 | DIRT_ROAD | -20 | 0.90 | 1.00 | 1.15 | 3.2 | 3.6 | 4.1 | 2.0 | 2.2 | 2.6 |
| Cloudy | 50 | 30 | 86 | DIRT_ROAD | -15 | 0.95 | 1.05 | 1.20 | 3.4 | 3.8 | 4.3 | 2.1 | 2.4 | 2.7 |
| Cloudy | 50 | 30 | 86 | DIRT_ROAD | -10 | 1.05 | 1.15 | 1.30 | 3.8 | 4.1 | 4.7 | 2.4 | 2.6 | 2.9 |
| Cloudy | 50 | 30 | 86 | DIRT_ROAD | -5 | 1.15 | 1.25 | 1.40 | 4.1 | 4.5 | 5.0 | 2.6 | 2.8 | 3.1 |
| Cloudy | 50 | 30 | 86 | DIRT_ROAD | 0 | 1.25 | 1.40 | 1.50 | 4.5 | 5.0 | 5.4 | 2.8 | 3.1 | 3.4 |
| Cloudy | 50 | 30 | 86 | DIRT_ROAD | 5 | 0.80 | 0.90 | 1.05 | 2.9 | 3.2 | 3.8 | 1.8 | 2.0 | 2.4 |
| Cloudy | 50 | 30 | 86 | DIRT_ROAD | 10 | 0.55 | 0.65 | 0.75 | 2.0 | 2.3 | 2.7 | 1.2 | 1.5 | 1.7 |
| Cloudy | 50 | 30 | 86 | DIRT_ROAD | 15 | 0.40 | 0.45 | 0.55 | 1.4 | 1.6 | 2.0 | 0.9 | 1.0 | 1.2 |
| Cloudy | 50 | 30 | 86 | DIRT_ROAD | 20 | 0.30 | 0.35 | 0.45 | 1.1 | 1.3 | 1.6 | 0.7 | 0.8 | 1.0 |
| Cloudy | 50 | 30 | 86 | DIRT_ROAD | 30 | 0.20 | 0.25 | 0.30 | 0.7 | 0.9 | 1.1 | 0.4 | 0.6 | 0.7 |
| Cloudy | 50 | 30 | 86 | DIRT_ROAD | 40 | 0.15 | 0.20 | 0.25 | 0.5 | 0.7 | 0.9 | 0.3 | 0.4 | 0.6 |
| Cloudy | 50 | 30 | 86 | DIRT_ROAD | 50 | 0.10 | 0.15 | 0.20 | 0.4 | 0.5 | 0.7 | 0.2 | 0.3 | 0.4 |
| Cloudy | 50 | 30 | 86 | LOOSE_SAND | -50 | 0.30 | 0.35 | 0.45 | 1.1 | 1.3 | 1.6 | 0.7 | 0.8 | 1.0 |
| Cloudy | 50 | 30 | 86 | LOOSE_SAND | -40 | 0.35 | 0.40 | 0.50 | 1.3 | 1.4 | 1.8 | 0.8 | 0.9 | 1.1 |
| Cloudy | 50 | 30 | 86 | LOOSE_SAND | -30 | 0.45 | 0.50 | 0.60 | 1.6 | 1.8 | 2.2 | 1.0 | 1.1 | 1.3 |
| Cloudy | 50 | 30 | 86 | LOOSE_SAND | -20 | 0.55 | 0.65 | 0.70 | 2.0 | 2.3 | 2.5 | 1.2 | 1.5 | 1.6 |
| Cloudy | 50 | 30 | 86 | LOOSE_SAND | -15 | 0.60 | 0.70 | 0.80 | 2.2 | 2.5 | 2.9 | 1.3 | 1.6 | 1.8 |
| Cloudy | 50 | 30 | 86 | LOOSE_SAND | -10 | 0.70 | 0.80 | 0.90 | 2.5 | 2.9 | 3.2 | 1.6 | 1.8 | 2.0 |
| Cloudy | 50 | 30 | 86 | LOOSE_SAND | -5 | 0.80 | 0.90 | 1.00 | 2.9 | 3.2 | 3.6 | 1.8 | 2.0 | 2.2 |
| Cloudy | 50 | 30 | 86 | LOOSE_SAND | 0 | 0.90 | 1.00 | 1.10 | 3.2 | 3.6 | 4.0 | 2.0 | 2.2 | 2.5 |
| Cloudy | 50 | 30 | 86 | LOOSE_SAND | 5 | 0.50 | 0.55 | 0.65 | 1.8 | 2.0 | 2.3 | 1.1 | 1.2 | 1.5 |
| Cloudy | 50 | 30 | 86 | LOOSE_SAND | 10 | 0.30 | 0.35 | 0.45 | 1.1 | 1.3 | 1.6 | 0.7 | 0.8 | 1.0 |
| Cloudy | 50 | 30 | 86 | LOOSE_SAND | 15 | 0.20 | 0.25 | 0.30 | 0.7 | 0.9 | 1.1 | 0.4 | 0.6 | 0.7 |
| Cloudy | 50 | 30 | 86 | LOOSE_SAND | 20 | 0.15 | 0.20 | 0.25 | 0.5 | 0.7 | 0.9 | 0.3 | 0.4 | 0.6 |
| Cloudy | 50 | 30 | 86 | LOOSE_SAND | 30 | 0.10 | 0.10 | 0.15 | 0.4 | 0.4 | 0.5 | 0.2 | 0.2 | 0.3 |
| Cloudy | 50 | 30 | 86 | LOOSE_SAND | 40 | 0.05 | 0.10 | 0.10 | 0.2 | 0.4 | 0.4 | 0.1 | 0.2 | 0.2 |
| Cloudy | 50 | 30 | 86 | LOOSE_SAND | 50 | 0.05 | 0.05 | 0.10 | 0.2 | 0.2 | 0.4 | 0.1 | 0.1 | 0.2 |

Table E-21. Maximum Sustainable Speed, Cloudy, 50% Humidity, 35°C (95°F)

| Cloud Cover | RH (%) | °C | °F | Terrain Type | Grade (%) | Max Sustainable Speed (meters/second) | | | Max Sustainable Speed (kilometers/hour) | | | Max Sustainable Speed (miles/hour) | | |
|-------------|--------|----|----|--------------|-----------|---------------------------------------|------|------|---|-----|------|------------------------------------|-----|------|
| | | | | | | Risk Level | | | Risk Level | | | Risk Level | | |
| | | | | | | Low | Mod | High | Low | Mod | High | Low | Mod | High |
| Cloudy | 50 | 35 | 95 | BLACK_TOP | -50 | 0.35 | 0.40 | 0.55 | 1.3 | 1.4 | 2.0 | 0.8 | 0.9 | 1.2 |
| Cloudy | 50 | 35 | 95 | BLACK_TOP | -40 | 0.45 | 0.50 | 0.65 | 1.6 | 1.8 | 2.3 | 1.0 | 1.1 | 1.5 |
| Cloudy | 50 | 35 | 95 | BLACK_TOP | -30 | 0.50 | 0.60 | 0.75 | 1.8 | 2.2 | 2.7 | 1.1 | 1.3 | 1.7 |
| Cloudy | 50 | 35 | 95 | BLACK_TOP | -20 | 0.65 | 0.70 | 0.85 | 2.3 | 2.5 | 3.1 | 1.5 | 1.6 | 1.9 |
| Cloudy | 50 | 35 | 95 | BLACK_TOP | -15 | 0.70 | 0.80 | 0.95 | 2.5 | 2.9 | 3.4 | 1.6 | 1.8 | 2.1 |
| Cloudy | 50 | 35 | 95 | BLACK_TOP | -10 | 0.80 | 0.90 | 1.05 | 2.9 | 3.2 | 3.8 | 1.8 | 2.0 | 2.4 |
| Cloudy | 50 | 35 | 95 | BLACK_TOP | -5 | 0.90 | 1.00 | 1.15 | 3.2 | 3.6 | 4.1 | 2.0 | 2.2 | 2.6 |
| Cloudy | 50 | 35 | 95 | BLACK_TOP | 0 | 1.00 | 1.10 | 1.25 | 3.6 | 4.0 | 4.5 | 2.2 | 2.5 | 2.8 |
| Cloudy | 50 | 35 | 95 | BLACK_TOP | 5 | 0.60 | 0.65 | 0.80 | 2.2 | 2.3 | 2.9 | 1.3 | 1.5 | 1.8 |
| Cloudy | 50 | 35 | 95 | BLACK_TOP | 10 | 0.35 | 0.40 | 0.55 | 1.3 | 1.4 | 2.0 | 0.8 | 0.9 | 1.2 |
| Cloudy | 50 | 35 | 95 | BLACK_TOP | 15 | 0.25 | 0.30 | 0.40 | 0.9 | 1.1 | 1.4 | 0.6 | 0.7 | 0.9 |
| Cloudy | 50 | 35 | 95 | BLACK_TOP | 20 | 0.20 | 0.25 | 0.30 | 0.7 | 0.9 | 1.1 | 0.4 | 0.6 | 0.7 |
| Cloudy | 50 | 35 | 95 | BLACK_TOP | 30 | 0.10 | 0.15 | 0.20 | 0.4 | 0.5 | 0.7 | 0.2 | 0.3 | 0.4 |
| Cloudy | 50 | 35 | 95 | BLACK_TOP | 40 | 0.10 | 0.10 | 0.15 | 0.4 | 0.4 | 0.5 | 0.2 | 0.2 | 0.3 |
| Cloudy | 50 | 35 | 95 | BLACK_TOP | 50 | 0.05 | 0.10 | 0.10 | 0.2 | 0.4 | 0.4 | 0.1 | 0.2 | 0.2 |
| Cloudy | 50 | 35 | 95 | DIRT_ROAD | -50 | 0.35 | 0.40 | 0.50 | 1.3 | 1.4 | 1.8 | 0.8 | 0.9 | 1.1 |
| Cloudy | 50 | 35 | 95 | DIRT_ROAD | -40 | 0.40 | 0.45 | 0.60 | 1.4 | 1.6 | 2.2 | 0.9 | 1.0 | 1.3 |
| Cloudy | 50 | 35 | 95 | DIRT_ROAD | -30 | 0.50 | 0.55 | 0.70 | 1.8 | 2.0 | 2.5 | 1.1 | 1.2 | 1.6 |
| Cloudy | 50 | 35 | 95 | DIRT_ROAD | -20 | 0.60 | 0.65 | 0.80 | 2.2 | 2.3 | 2.9 | 1.3 | 1.5 | 1.8 |
| Cloudy | 50 | 35 | 95 | DIRT_ROAD | -15 | 0.65 | 0.75 | 0.90 | 2.3 | 2.7 | 3.2 | 1.5 | 1.7 | 2.0 |
| Cloudy | 50 | 35 | 95 | DIRT_ROAD | -10 | 0.75 | 0.85 | 1.00 | 2.7 | 3.1 | 3.6 | 1.7 | 1.9 | 2.2 |
| Cloudy | 50 | 35 | 95 | DIRT_ROAD | -5 | 0.85 | 0.95 | 1.10 | 3.1 | 3.4 | 4.0 | 1.9 | 2.1 | 2.5 |
| Cloudy | 50 | 35 | 95 | DIRT_ROAD | 0 | 0.95 | 1.05 | 1.20 | 3.4 | 3.8 | 4.3 | 2.1 | 2.4 | 2.7 |
| Cloudy | 50 | 35 | 95 | DIRT_ROAD | 5 | 0.55 | 0.60 | 0.75 | 2.0 | 2.2 | 2.7 | 1.2 | 1.3 | 1.7 |
| Cloudy | 50 | 35 | 95 | DIRT_ROAD | 10 | 0.35 | 0.40 | 0.50 | 1.3 | 1.4 | 1.8 | 0.8 | 0.9 | 1.1 |
| Cloudy | 50 | 35 | 95 | DIRT_ROAD | 15 | 0.25 | 0.25 | 0.35 | 0.9 | 0.9 | 1.3 | 0.6 | 0.6 | 0.8 |
| Cloudy | 50 | 35 | 95 | DIRT_ROAD | 20 | 0.15 | 0.20 | 0.30 | 0.5 | 0.7 | 1.1 | 0.3 | 0.4 | 0.7 |
| Cloudy | 50 | 35 | 95 | DIRT_ROAD | 30 | 0.10 | 0.15 | 0.20 | 0.4 | 0.5 | 0.7 | 0.2 | 0.3 | 0.4 |
| Cloudy | 50 | 35 | 95 | DIRT_ROAD | 40 | 0.10 | 0.10 | 0.15 | 0.4 | 0.4 | 0.5 | 0.2 | 0.2 | 0.3 |
| Cloudy | 50 | 35 | 95 | DIRT_ROAD | 50 | 0.05 | 0.05 | 0.10 | 0.2 | 0.2 | 0.4 | 0.1 | 0.1 | 0.2 |
| Cloudy | 50 | 35 | 95 | LOOSE_SAND | -50 | 0.15 | 0.20 | 0.25 | 0.5 | 0.7 | 0.9 | 0.3 | 0.4 | 0.6 |
| Cloudy | 50 | 35 | 95 | LOOSE_SAND | -40 | 0.20 | 0.25 | 0.35 | 0.7 | 0.9 | 1.3 | 0.4 | 0.6 | 0.8 |
| Cloudy | 50 | 35 | 95 | LOOSE_SAND | -30 | 0.25 | 0.30 | 0.40 | 0.9 | 1.1 | 1.4 | 0.6 | 0.7 | 0.9 |
| Cloudy | 50 | 35 | 95 | LOOSE_SAND | -20 | 0.35 | 0.40 | 0.50 | 1.3 | 1.4 | 1.8 | 0.8 | 0.9 | 1.1 |
| Cloudy | 50 | 35 | 95 | LOOSE_SAND | -15 | 0.40 | 0.45 | 0.60 | 1.4 | 1.6 | 2.2 | 0.9 | 1.0 | 1.3 |
| Cloudy | 50 | 35 | 95 | LOOSE_SAND | -10 | 0.50 | 0.55 | 0.65 | 1.8 | 2.0 | 2.3 | 1.1 | 1.2 | 1.5 |
| Cloudy | 50 | 35 | 95 | LOOSE_SAND | -5 | 0.60 | 0.65 | 0.75 | 2.2 | 2.3 | 2.7 | 1.3 | 1.5 | 1.7 |
| Cloudy | 50 | 35 | 95 | LOOSE_SAND | 0 | 0.70 | 0.75 | 0.85 | 2.5 | 2.7 | 3.1 | 1.6 | 1.7 | 1.9 |
| Cloudy | 50 | 35 | 95 | LOOSE_SAND | 5 | 0.30 | 0.35 | 0.45 | 1.1 | 1.3 | 1.6 | 0.7 | 0.8 | 1.0 |
| Cloudy | 50 | 35 | 95 | LOOSE_SAND | 10 | 0.15 | 0.20 | 0.25 | 0.5 | 0.7 | 0.9 | 0.3 | 0.4 | 0.6 |
| Cloudy | 50 | 35 | 95 | LOOSE_SAND | 15 | 0.10 | 0.15 | 0.20 | 0.4 | 0.5 | 0.7 | 0.2 | 0.3 | 0.4 |
| Cloudy | 50 | 35 | 95 | LOOSE_SAND | 20 | 0.10 | 0.10 | 0.15 | 0.4 | 0.4 | 0.5 | 0.2 | 0.2 | 0.3 |
| Cloudy | 50 | 35 | 95 | LOOSE_SAND | 30 | 0.05 | 0.05 | 0.10 | 0.2 | 0.2 | 0.4 | 0.1 | 0.1 | 0.2 |
| Cloudy | 50 | 35 | 95 | LOOSE_SAND | 40 | 0.05 | 0.05 | 0.05 | 0.2 | 0.2 | 0.2 | 0.1 | 0.1 | 0.1 |
| Cloudy | 50 | 35 | 95 | LOOSE_SAND | 50 | 0.00 | 0.05 | 0.05 | 0.0 | 0.2 | 0.2 | 0.0 | 0.1 | 0.1 |

Table E-22. Maximum Sustainable Speed, Cloudy, 75% Humidity, 5°C (41°F)

| Cloud Cover | RH (%) | °C | °F | Terrain Type | Grade (%) | Max Sustainable Speed (meters/second) | | | Max Sustainable Speed (kilometers/hour) | | | Max Sustainable Speed (miles/hour) | | |
|-------------|--------|----|----|--------------|-----------|---------------------------------------|------|------|---|-----|------|------------------------------------|-----|------|
| | | | | | | Risk Level | | | Risk Level | | | Risk Level | | |
| | | | | | | Low | Mod | High | Low | Mod | High | Low | Mod | High |
| Cloudy | 75 | 5 | 41 | BLACK_TOP | -50 | 1.05 | 1.30 | 1.60 | 3.8 | 4.7 | 5.8 | 2.4 | 2.9 | 3.6 |
| Cloudy | 75 | 5 | 41 | BLACK_TOP | -40 | 1.15 | 1.40 | 1.75 | 4.1 | 5.0 | 6.3 | 2.6 | 3.1 | 3.9 |
| Cloudy | 75 | 5 | 41 | BLACK_TOP | -30 | 1.30 | 1.55 | 1.90 | 4.7 | 5.6 | 6.8 | 2.9 | 3.5 | 4.3 |
| Cloudy | 75 | 5 | 41 | BLACK_TOP | -20 | 1.45 | 1.75 | 2.10 | 5.2 | 6.3 | 7.6 | 3.2 | 3.9 | 4.7 |
| Cloudy | 75 | 5 | 41 | BLACK_TOP | -15 | 1.55 | 1.85 | 2.20 | 5.6 | 6.7 | 7.9 | 3.5 | 4.1 | 4.9 |
| Cloudy | 75 | 5 | 41 | BLACK_TOP | -10 | 1.65 | 1.95 | 2.30 | 5.9 | 7.0 | 8.3 | 3.7 | 4.4 | 5.2 |
| Cloudy | 75 | 5 | 41 | BLACK_TOP | -5 | 1.75 | 2.05 | 2.40 | 6.3 | 7.4 | 8.6 | 3.9 | 4.6 | 5.4 |
| Cloudy | 75 | 5 | 41 | BLACK_TOP | 0 | 1.90 | 2.15 | 2.50 | 6.8 | 7.7 | 9.0 | 4.3 | 4.8 | 5.6 |
| Cloudy | 75 | 5 | 41 | BLACK_TOP | 5 | 1.40 | 1.65 | 2.00 | 5.0 | 5.9 | 7.2 | 3.1 | 3.7 | 4.5 |
| Cloudy | 75 | 5 | 41 | BLACK_TOP | 10 | 1.05 | 1.30 | 1.60 | 3.8 | 4.7 | 5.8 | 2.4 | 2.9 | 3.6 |
| Cloudy | 75 | 5 | 41 | BLACK_TOP | 15 | 0.80 | 1.05 | 1.30 | 2.9 | 3.8 | 4.7 | 1.8 | 2.4 | 2.9 |
| Cloudy | 75 | 5 | 41 | BLACK_TOP | 20 | 0.65 | 0.85 | 1.10 | 2.3 | 3.1 | 4.0 | 1.5 | 1.9 | 2.5 |
| Cloudy | 75 | 5 | 41 | BLACK_TOP | 30 | 0.45 | 0.60 | 0.80 | 1.6 | 2.2 | 2.9 | 1.0 | 1.3 | 1.8 |
| Cloudy | 75 | 5 | 41 | BLACK_TOP | 40 | 0.35 | 0.45 | 0.65 | 1.3 | 1.6 | 2.3 | 0.8 | 1.0 | 1.5 |
| Cloudy | 75 | 5 | 41 | BLACK_TOP | 50 | 0.30 | 0.35 | 0.50 | 1.1 | 1.3 | 1.8 | 0.7 | 0.8 | 1.1 |
| Cloudy | 75 | 5 | 41 | DIRT_ROAD | -50 | 0.95 | 1.20 | 1.50 | 3.4 | 4.3 | 5.4 | 2.1 | 2.7 | 3.4 |
| Cloudy | 75 | 5 | 41 | DIRT_ROAD | -40 | 1.10 | 1.35 | 1.65 | 4.0 | 4.9 | 5.9 | 2.5 | 3.0 | 3.7 |
| Cloudy | 75 | 5 | 41 | DIRT_ROAD | -30 | 1.20 | 1.45 | 1.80 | 4.3 | 5.2 | 6.5 | 2.7 | 3.2 | 4.0 |
| Cloudy | 75 | 5 | 41 | DIRT_ROAD | -20 | 1.40 | 1.65 | 2.00 | 5.0 | 5.9 | 7.2 | 3.1 | 3.7 | 4.5 |
| Cloudy | 75 | 5 | 41 | DIRT_ROAD | -15 | 1.45 | 1.75 | 2.10 | 5.2 | 6.3 | 7.6 | 3.2 | 3.9 | 4.7 |
| Cloudy | 75 | 5 | 41 | DIRT_ROAD | -10 | 1.55 | 1.85 | 2.20 | 5.6 | 6.7 | 7.9 | 3.5 | 4.1 | 4.9 |
| Cloudy | 75 | 5 | 41 | DIRT_ROAD | -5 | 1.70 | 1.95 | 2.30 | 6.1 | 7.0 | 8.3 | 3.8 | 4.4 | 5.2 |
| Cloudy | 75 | 5 | 41 | DIRT_ROAD | 0 | 1.80 | 2.05 | 2.40 | 6.5 | 7.4 | 8.6 | 4.0 | 4.6 | 5.4 |
| Cloudy | 75 | 5 | 41 | DIRT_ROAD | 5 | 1.30 | 1.55 | 1.90 | 4.7 | 5.6 | 6.8 | 2.9 | 3.5 | 4.3 |
| Cloudy | 75 | 5 | 41 | DIRT_ROAD | 10 | 0.95 | 1.20 | 1.50 | 3.4 | 4.3 | 5.4 | 2.1 | 2.7 | 3.4 |
| Cloudy | 75 | 5 | 41 | DIRT_ROAD | 15 | 0.75 | 0.95 | 1.20 | 2.7 | 3.4 | 4.3 | 1.7 | 2.1 | 2.7 |
| Cloudy | 75 | 5 | 41 | DIRT_ROAD | 20 | 0.60 | 0.75 | 1.00 | 2.2 | 2.7 | 3.6 | 1.3 | 1.7 | 2.2 |
| Cloudy | 75 | 5 | 41 | DIRT_ROAD | 30 | 0.40 | 0.55 | 0.75 | 1.4 | 2.0 | 2.7 | 0.9 | 1.2 | 1.7 |
| Cloudy | 75 | 5 | 41 | DIRT_ROAD | 40 | 0.30 | 0.40 | 0.55 | 1.1 | 1.4 | 2.0 | 0.7 | 0.9 | 1.2 |
| Cloudy | 75 | 5 | 41 | DIRT_ROAD | 50 | 0.25 | 0.35 | 0.45 | 0.9 | 1.3 | 1.6 | 0.6 | 0.8 | 1.0 |
| Cloudy | 75 | 5 | 41 | LOOSE_SAND | -50 | 0.55 | 0.70 | 0.90 | 2.0 | 2.5 | 3.2 | 1.2 | 1.6 | 2.0 |
| Cloudy | 75 | 5 | 41 | LOOSE_SAND | -40 | 0.65 | 0.80 | 1.05 | 2.3 | 2.9 | 3.8 | 1.5 | 1.8 | 2.4 |
| Cloudy | 75 | 5 | 41 | LOOSE_SAND | -30 | 0.75 | 0.95 | 1.15 | 2.7 | 3.4 | 4.1 | 1.7 | 2.1 | 2.6 |
| Cloudy | 75 | 5 | 41 | LOOSE_SAND | -20 | 0.90 | 1.10 | 1.35 | 3.2 | 4.0 | 4.9 | 2.0 | 2.5 | 3.0 |
| Cloudy | 75 | 5 | 41 | LOOSE_SAND | -15 | 1.00 | 1.15 | 1.40 | 3.6 | 4.1 | 5.0 | 2.2 | 2.6 | 3.1 |
| Cloudy | 75 | 5 | 41 | LOOSE_SAND | -10 | 1.10 | 1.25 | 1.50 | 4.0 | 4.5 | 5.4 | 2.5 | 2.8 | 3.4 |
| Cloudy | 75 | 5 | 41 | LOOSE_SAND | -5 | 1.20 | 1.35 | 1.60 | 4.3 | 4.9 | 5.8 | 2.7 | 3.0 | 3.6 |
| Cloudy | 75 | 5 | 41 | LOOSE_SAND | 0 | 1.30 | 1.50 | 1.75 | 4.7 | 5.4 | 6.3 | 2.9 | 3.4 | 3.9 |
| Cloudy | 75 | 5 | 41 | LOOSE_SAND | 5 | 0.85 | 1.00 | 1.25 | 3.1 | 3.6 | 4.5 | 1.9 | 2.2 | 2.8 |
| Cloudy | 75 | 5 | 41 | LOOSE_SAND | 10 | 0.55 | 0.70 | 0.90 | 2.0 | 2.5 | 3.2 | 1.2 | 1.6 | 2.0 |
| Cloudy | 75 | 5 | 41 | LOOSE_SAND | 15 | 0.40 | 0.55 | 0.70 | 1.4 | 2.0 | 2.5 | 0.9 | 1.2 | 1.6 |
| Cloudy | 75 | 5 | 41 | LOOSE_SAND | 20 | 0.30 | 0.40 | 0.55 | 1.1 | 1.4 | 2.0 | 0.7 | 0.9 | 1.2 |
| Cloudy | 75 | 5 | 41 | LOOSE_SAND | 30 | 0.20 | 0.30 | 0.40 | 0.7 | 1.1 | 1.4 | 0.4 | 0.7 | 0.9 |
| Cloudy | 75 | 5 | 41 | LOOSE_SAND | 40 | 0.15 | 0.20 | 0.30 | 0.5 | 0.7 | 1.1 | 0.3 | 0.4 | 0.7 |
| Cloudy | 75 | 5 | 41 | LOOSE_SAND | 50 | 0.10 | 0.15 | 0.25 | 0.4 | 0.5 | 0.9 | 0.2 | 0.3 | 0.6 |

Table E-23. Maximum Sustainable Speed, Cloudy, 75% Humidity, 10°C (50°F)

| Cloud Cover | RH (%) | °C | °F | Terrain Type | Grade (%) | Max Sustainable Speed (meters/second) | | | Max Sustainable Speed (kilometers/hour) | | | Max Sustainable Speed (miles/hour) | | |
|-------------|--------|----|----|--------------|-----------|---------------------------------------|------|------|---|-----|------|------------------------------------|-----|------|
| | | | | | | Risk Level | | | Risk Level | | | Risk Level | | |
| | | | | | | Low | Mod | High | Low | Mod | High | Low | Mod | High |
| Cloudy | 75 | 10 | 50 | BLACK_TOP | -50 | 0.95 | 1.20 | 1.50 | 3.4 | 4.3 | 5.4 | 2.1 | 2.7 | 3.4 |
| Cloudy | 75 | 10 | 50 | BLACK_TOP | -40 | 1.10 | 1.35 | 1.65 | 4.0 | 4.9 | 5.9 | 2.5 | 3.0 | 3.7 |
| Cloudy | 75 | 10 | 50 | BLACK_TOP | -30 | 1.20 | 1.50 | 1.80 | 4.3 | 5.4 | 6.5 | 2.7 | 3.4 | 4.0 |
| Cloudy | 75 | 10 | 50 | BLACK_TOP | -20 | 1.40 | 1.65 | 1.95 | 5.0 | 5.9 | 7.0 | 3.1 | 3.7 | 4.4 |
| Cloudy | 75 | 10 | 50 | BLACK_TOP | -15 | 1.45 | 1.75 | 2.05 | 5.2 | 6.3 | 7.4 | 3.2 | 3.9 | 4.6 |
| Cloudy | 75 | 10 | 50 | BLACK_TOP | -10 | 1.55 | 1.85 | 2.15 | 5.6 | 6.7 | 7.7 | 3.5 | 4.1 | 4.8 |
| Cloudy | 75 | 10 | 50 | BLACK_TOP | -5 | 1.70 | 1.95 | 2.25 | 6.1 | 7.0 | 8.1 | 3.8 | 4.4 | 5.0 |
| Cloudy | 75 | 10 | 50 | BLACK_TOP | 0 | 1.80 | 2.05 | 2.40 | 6.5 | 7.4 | 8.6 | 4.0 | 4.6 | 5.4 |
| Cloudy | 75 | 10 | 50 | BLACK_TOP | 5 | 1.30 | 1.55 | 1.85 | 4.7 | 5.6 | 6.7 | 2.9 | 3.5 | 4.1 |
| Cloudy | 75 | 10 | 50 | BLACK_TOP | 10 | 0.95 | 1.20 | 1.50 | 3.4 | 4.3 | 5.4 | 2.1 | 2.7 | 3.4 |
| Cloudy | 75 | 10 | 50 | BLACK_TOP | 15 | 0.75 | 0.95 | 1.20 | 2.7 | 3.4 | 4.3 | 1.7 | 2.1 | 2.7 |
| Cloudy | 75 | 10 | 50 | BLACK_TOP | 20 | 0.60 | 0.75 | 1.00 | 2.2 | 2.7 | 3.6 | 1.3 | 1.7 | 2.2 |
| Cloudy | 75 | 10 | 50 | BLACK_TOP | 30 | 0.40 | 0.55 | 0.70 | 1.4 | 2.0 | 2.5 | 0.9 | 1.2 | 1.6 |
| Cloudy | 75 | 10 | 50 | BLACK_TOP | 40 | 0.30 | 0.40 | 0.55 | 1.1 | 1.4 | 2.0 | 0.7 | 0.9 | 1.2 |
| Cloudy | 75 | 10 | 50 | BLACK_TOP | 50 | 0.25 | 0.35 | 0.45 | 0.9 | 1.3 | 1.6 | 0.6 | 0.8 | 1.0 |
| Cloudy | 75 | 10 | 50 | DIRT_ROAD | -50 | 0.90 | 1.10 | 1.40 | 3.2 | 4.0 | 5.0 | 2.0 | 2.5 | 3.1 |
| Cloudy | 75 | 10 | 50 | DIRT_ROAD | -40 | 1.00 | 1.25 | 1.50 | 3.6 | 4.5 | 5.4 | 2.2 | 2.8 | 3.4 |
| Cloudy | 75 | 10 | 50 | DIRT_ROAD | -30 | 1.15 | 1.40 | 1.70 | 4.1 | 5.0 | 6.1 | 2.6 | 3.1 | 3.8 |
| Cloudy | 75 | 10 | 50 | DIRT_ROAD | -20 | 1.30 | 1.55 | 1.85 | 4.7 | 5.6 | 6.7 | 2.9 | 3.5 | 4.1 |
| Cloudy | 75 | 10 | 50 | DIRT_ROAD | -15 | 1.40 | 1.65 | 1.95 | 5.0 | 5.9 | 7.0 | 3.1 | 3.7 | 4.4 |
| Cloudy | 75 | 10 | 50 | DIRT_ROAD | -10 | 1.50 | 1.75 | 2.05 | 5.4 | 6.3 | 7.4 | 3.4 | 3.9 | 4.6 |
| Cloudy | 75 | 10 | 50 | DIRT_ROAD | -5 | 1.60 | 1.85 | 2.15 | 5.8 | 6.7 | 7.7 | 3.6 | 4.1 | 4.8 |
| Cloudy | 75 | 10 | 50 | DIRT_ROAD | 0 | 1.70 | 1.95 | 2.25 | 6.1 | 7.0 | 8.1 | 3.8 | 4.4 | 5.0 |
| Cloudy | 75 | 10 | 50 | DIRT_ROAD | 5 | 1.20 | 1.45 | 1.75 | 4.3 | 5.2 | 6.3 | 2.7 | 3.2 | 3.9 |
| Cloudy | 75 | 10 | 50 | DIRT_ROAD | 10 | 0.90 | 1.10 | 1.40 | 3.2 | 4.0 | 5.0 | 2.0 | 2.5 | 3.1 |
| Cloudy | 75 | 10 | 50 | DIRT_ROAD | 15 | 0.70 | 0.85 | 1.10 | 2.5 | 3.1 | 4.0 | 1.6 | 1.9 | 2.5 |
| Cloudy | 75 | 10 | 50 | DIRT_ROAD | 20 | 0.55 | 0.70 | 0.90 | 2.0 | 2.5 | 3.2 | 1.2 | 1.6 | 2.0 |
| Cloudy | 75 | 10 | 50 | DIRT_ROAD | 30 | 0.40 | 0.50 | 0.65 | 1.4 | 1.8 | 2.3 | 0.9 | 1.1 | 1.5 |
| Cloudy | 75 | 10 | 50 | DIRT_ROAD | 40 | 0.30 | 0.40 | 0.50 | 1.1 | 1.4 | 1.8 | 0.7 | 0.9 | 1.1 |
| Cloudy | 75 | 10 | 50 | DIRT_ROAD | 50 | 0.25 | 0.30 | 0.40 | 0.9 | 1.1 | 1.4 | 0.6 | 0.7 | 0.9 |
| Cloudy | 75 | 10 | 50 | LOOSE_SAND | -50 | 0.50 | 0.65 | 0.85 | 1.8 | 2.3 | 3.1 | 1.1 | 1.5 | 1.9 |
| Cloudy | 75 | 10 | 50 | LOOSE_SAND | -40 | 0.60 | 0.75 | 0.95 | 2.2 | 2.7 | 3.4 | 1.3 | 1.7 | 2.1 |
| Cloudy | 75 | 10 | 50 | LOOSE_SAND | -30 | 0.70 | 0.90 | 1.10 | 2.5 | 3.2 | 4.0 | 1.6 | 2.0 | 2.5 |
| Cloudy | 75 | 10 | 50 | LOOSE_SAND | -20 | 0.85 | 1.00 | 1.25 | 3.1 | 3.6 | 4.5 | 1.9 | 2.2 | 2.8 |
| Cloudy | 75 | 10 | 50 | LOOSE_SAND | -15 | 0.95 | 1.10 | 1.30 | 3.4 | 4.0 | 4.7 | 2.1 | 2.5 | 2.9 |
| Cloudy | 75 | 10 | 50 | LOOSE_SAND | -10 | 1.00 | 1.20 | 1.40 | 3.6 | 4.3 | 5.0 | 2.2 | 2.7 | 3.1 |
| Cloudy | 75 | 10 | 50 | LOOSE_SAND | -5 | 1.10 | 1.30 | 1.50 | 4.0 | 4.7 | 5.4 | 2.5 | 2.9 | 3.4 |
| Cloudy | 75 | 10 | 50 | LOOSE_SAND | 0 | 1.25 | 1.40 | 1.65 | 4.5 | 5.0 | 5.9 | 2.8 | 3.1 | 3.7 |
| Cloudy | 75 | 10 | 50 | LOOSE_SAND | 5 | 0.75 | 0.95 | 1.15 | 2.7 | 3.4 | 4.1 | 1.7 | 2.1 | 2.6 |
| Cloudy | 75 | 10 | 50 | LOOSE_SAND | 10 | 0.50 | 0.65 | 0.85 | 1.8 | 2.3 | 3.1 | 1.1 | 1.5 | 1.9 |
| Cloudy | 75 | 10 | 50 | LOOSE_SAND | 15 | 0.40 | 0.50 | 0.65 | 1.4 | 1.8 | 2.3 | 0.9 | 1.1 | 1.5 |
| Cloudy | 75 | 10 | 50 | LOOSE_SAND | 20 | 0.30 | 0.40 | 0.50 | 1.1 | 1.4 | 1.8 | 0.7 | 0.9 | 1.1 |
| Cloudy | 75 | 10 | 50 | LOOSE_SAND | 30 | 0.20 | 0.25 | 0.35 | 0.7 | 0.9 | 1.3 | 0.4 | 0.6 | 0.8 |
| Cloudy | 75 | 10 | 50 | LOOSE_SAND | 40 | 0.15 | 0.20 | 0.25 | 0.5 | 0.7 | 0.9 | 0.3 | 0.4 | 0.6 |
| Cloudy | 75 | 10 | 50 | LOOSE_SAND | 50 | 0.10 | 0.15 | 0.20 | 0.4 | 0.5 | 0.7 | 0.2 | 0.3 | 0.4 |

Table E-24. Maximum Sustainable Speed, Cloudy, 75% Humidity, 15°C (59°F)

| Cloud Cover | RH (%) | °C | °F | Terrain Type | Grade (%) | Max Sustainable Speed (meters/second) | | | Max Sustainable Speed (kilometers/hour) | | | Max Sustainable Speed (miles/hour) | | |
|-------------|--------|----|----|--------------|-----------|---------------------------------------|------|------|---|-----|------|------------------------------------|-----|------|
| | | | | | | Risk Level | | | Risk Level | | | Risk Level | | |
| | | | | | | Low | Mod | High | Low | Mod | High | Low | Mod | High |
| Cloudy | 75 | 15 | 59 | BLACK_TOP | -50 | 0.90 | 1.10 | 1.30 | 3.2 | 4.0 | 4.7 | 2.0 | 2.5 | 2.9 |
| Cloudy | 75 | 15 | 59 | BLACK_TOP | -40 | 1.00 | 1.25 | 1.45 | 3.6 | 4.5 | 5.2 | 2.2 | 2.8 | 3.2 |
| Cloudy | 75 | 15 | 59 | BLACK_TOP | -30 | 1.10 | 1.40 | 1.60 | 4.0 | 5.0 | 5.8 | 2.5 | 3.1 | 3.6 |
| Cloudy | 75 | 15 | 59 | BLACK_TOP | -20 | 1.30 | 1.55 | 1.75 | 4.7 | 5.6 | 6.3 | 2.9 | 3.5 | 3.9 |
| Cloudy | 75 | 15 | 59 | BLACK_TOP | -15 | 1.35 | 1.65 | 1.85 | 4.9 | 5.9 | 6.7 | 3.0 | 3.7 | 4.1 |
| Cloudy | 75 | 15 | 59 | BLACK_TOP | -10 | 1.45 | 1.75 | 1.95 | 5.2 | 6.3 | 7.0 | 3.2 | 3.9 | 4.4 |
| Cloudy | 75 | 15 | 59 | BLACK_TOP | -5 | 1.55 | 1.85 | 2.05 | 5.6 | 6.7 | 7.4 | 3.5 | 4.1 | 4.6 |
| Cloudy | 75 | 15 | 59 | BLACK_TOP | 0 | 1.70 | 1.95 | 2.20 | 6.1 | 7.0 | 7.9 | 3.8 | 4.4 | 4.9 |
| Cloudy | 75 | 15 | 59 | BLACK_TOP | 5 | 1.20 | 1.45 | 1.70 | 4.3 | 5.2 | 6.1 | 2.7 | 3.2 | 3.8 |
| Cloudy | 75 | 15 | 59 | BLACK_TOP | 10 | 0.90 | 1.10 | 1.30 | 3.2 | 4.0 | 4.7 | 2.0 | 2.5 | 2.9 |
| Cloudy | 75 | 15 | 59 | BLACK_TOP | 15 | 0.65 | 0.85 | 1.05 | 2.3 | 3.1 | 3.8 | 1.5 | 1.9 | 2.4 |
| Cloudy | 75 | 15 | 59 | BLACK_TOP | 20 | 0.55 | 0.70 | 0.85 | 2.0 | 2.5 | 3.1 | 1.2 | 1.6 | 1.9 |
| Cloudy | 75 | 15 | 59 | BLACK_TOP | 30 | 0.35 | 0.50 | 0.60 | 1.3 | 1.8 | 2.2 | 0.8 | 1.1 | 1.3 |
| Cloudy | 75 | 15 | 59 | BLACK_TOP | 40 | 0.30 | 0.40 | 0.45 | 1.1 | 1.4 | 1.6 | 0.7 | 0.9 | 1.0 |
| Cloudy | 75 | 15 | 59 | BLACK_TOP | 50 | 0.20 | 0.30 | 0.40 | 0.7 | 1.1 | 1.4 | 0.4 | 0.7 | 0.9 |
| Cloudy | 75 | 15 | 59 | DIRT_ROAD | -50 | 0.80 | 1.05 | 1.20 | 2.9 | 3.8 | 4.3 | 1.8 | 2.4 | 2.7 |
| Cloudy | 75 | 15 | 59 | DIRT_ROAD | -40 | 0.90 | 1.15 | 1.35 | 3.2 | 4.1 | 4.9 | 2.0 | 2.6 | 3.0 |
| Cloudy | 75 | 15 | 59 | DIRT_ROAD | -30 | 1.05 | 1.30 | 1.50 | 3.8 | 4.7 | 5.4 | 2.4 | 2.9 | 3.4 |
| Cloudy | 75 | 15 | 59 | DIRT_ROAD | -20 | 1.20 | 1.45 | 1.65 | 4.3 | 5.2 | 5.9 | 2.7 | 3.2 | 3.7 |
| Cloudy | 75 | 15 | 59 | DIRT_ROAD | -15 | 1.30 | 1.55 | 1.75 | 4.7 | 5.6 | 6.3 | 2.9 | 3.5 | 3.9 |
| Cloudy | 75 | 15 | 59 | DIRT_ROAD | -10 | 1.40 | 1.65 | 1.85 | 5.0 | 5.9 | 6.7 | 3.1 | 3.7 | 4.1 |
| Cloudy | 75 | 15 | 59 | DIRT_ROAD | -5 | 1.50 | 1.75 | 1.95 | 5.4 | 6.3 | 7.0 | 3.4 | 3.9 | 4.4 |
| Cloudy | 75 | 15 | 59 | DIRT_ROAD | 0 | 1.60 | 1.85 | 2.10 | 5.8 | 6.7 | 7.6 | 3.6 | 4.1 | 4.7 |
| Cloudy | 75 | 15 | 59 | DIRT_ROAD | 5 | 1.10 | 1.35 | 1.60 | 4.0 | 4.9 | 5.8 | 2.5 | 3.0 | 3.6 |
| Cloudy | 75 | 15 | 59 | DIRT_ROAD | 10 | 0.80 | 1.05 | 1.20 | 2.9 | 3.8 | 4.3 | 1.8 | 2.4 | 2.7 |
| Cloudy | 75 | 15 | 59 | DIRT_ROAD | 15 | 0.60 | 0.80 | 0.95 | 2.2 | 2.9 | 3.4 | 1.3 | 1.8 | 2.1 |
| Cloudy | 75 | 15 | 59 | DIRT_ROAD | 20 | 0.50 | 0.65 | 0.80 | 1.8 | 2.3 | 2.9 | 1.1 | 1.5 | 1.8 |
| Cloudy | 75 | 15 | 59 | DIRT_ROAD | 30 | 0.35 | 0.45 | 0.55 | 1.3 | 1.6 | 2.0 | 0.8 | 1.0 | 1.2 |
| Cloudy | 75 | 15 | 59 | DIRT_ROAD | 40 | 0.25 | 0.35 | 0.45 | 0.9 | 1.3 | 1.6 | 0.6 | 0.8 | 1.0 |
| Cloudy | 75 | 15 | 59 | DIRT_ROAD | 50 | 0.20 | 0.25 | 0.35 | 0.7 | 0.9 | 1.3 | 0.4 | 0.6 | 0.8 |
| Cloudy | 75 | 15 | 59 | LOOSE_SAND | -50 | 0.45 | 0.60 | 0.75 | 1.6 | 2.2 | 2.7 | 1.0 | 1.3 | 1.7 |
| Cloudy | 75 | 15 | 59 | LOOSE_SAND | -40 | 0.55 | 0.70 | 0.85 | 2.0 | 2.5 | 3.1 | 1.2 | 1.6 | 1.9 |
| Cloudy | 75 | 15 | 59 | LOOSE_SAND | -30 | 0.65 | 0.80 | 0.95 | 2.3 | 2.9 | 3.4 | 1.5 | 1.8 | 2.1 |
| Cloudy | 75 | 15 | 59 | LOOSE_SAND | -20 | 0.80 | 0.95 | 1.10 | 2.9 | 3.4 | 4.0 | 1.8 | 2.1 | 2.5 |
| Cloudy | 75 | 15 | 59 | LOOSE_SAND | -15 | 0.85 | 1.05 | 1.20 | 3.1 | 3.8 | 4.3 | 1.9 | 2.4 | 2.7 |
| Cloudy | 75 | 15 | 59 | LOOSE_SAND | -10 | 0.95 | 1.15 | 1.30 | 3.4 | 4.1 | 4.7 | 2.1 | 2.6 | 2.9 |
| Cloudy | 75 | 15 | 59 | LOOSE_SAND | -5 | 1.05 | 1.25 | 1.40 | 3.8 | 4.5 | 5.0 | 2.4 | 2.8 | 3.1 |
| Cloudy | 75 | 15 | 59 | LOOSE_SAND | 0 | 1.15 | 1.35 | 1.50 | 4.1 | 4.9 | 5.4 | 2.6 | 3.0 | 3.4 |
| Cloudy | 75 | 15 | 59 | LOOSE_SAND | 5 | 0.70 | 0.90 | 1.05 | 2.5 | 3.2 | 3.8 | 1.6 | 2.0 | 2.4 |
| Cloudy | 75 | 15 | 59 | LOOSE_SAND | 10 | 0.45 | 0.60 | 0.75 | 1.6 | 2.2 | 2.7 | 1.0 | 1.3 | 1.7 |
| Cloudy | 75 | 15 | 59 | LOOSE_SAND | 15 | 0.35 | 0.45 | 0.55 | 1.3 | 1.6 | 2.0 | 0.8 | 1.0 | 1.2 |
| Cloudy | 75 | 15 | 59 | LOOSE_SAND | 20 | 0.25 | 0.35 | 0.45 | 0.9 | 1.3 | 1.6 | 0.6 | 0.8 | 1.0 |
| Cloudy | 75 | 15 | 59 | LOOSE_SAND | 30 | 0.15 | 0.25 | 0.30 | 0.5 | 0.9 | 1.1 | 0.3 | 0.6 | 0.7 |
| Cloudy | 75 | 15 | 59 | LOOSE_SAND | 40 | 0.10 | 0.15 | 0.20 | 0.4 | 0.5 | 0.7 | 0.2 | 0.3 | 0.4 |
| Cloudy | 75 | 15 | 59 | LOOSE_SAND | 50 | 0.10 | 0.15 | 0.15 | 0.4 | 0.5 | 0.5 | 0.2 | 0.3 | 0.3 |

Table E-25. Maximum Sustainable Speed, Cloudy, 75% Humidity, 20°C (68°F)

| Cloud Cover | RH (%) | °C | °F | Terrain Type | Grade (%) | Max Sustainable Speed (meters/second) | | | Max Sustainable Speed (kilometers/hour) | | | Max Sustainable Speed (miles/hour) | | |
|-------------|--------|----|----|--------------|-----------|---------------------------------------|------|------|---|-----|------|------------------------------------|-----|------|
| | | | | | | Risk Level | | | Risk Level | | | Risk Level | | |
| | | | | | | Low | Mod | High | Low | Mod | High | Low | Mod | High |
| Cloudy | 75 | 20 | 68 | BLACK_TOP | -50 | 0.80 | 0.95 | 1.10 | 2.9 | 3.4 | 4.0 | 1.8 | 2.1 | 2.5 |
| Cloudy | 75 | 20 | 68 | BLACK_TOP | -40 | 0.90 | 1.10 | 1.25 | 3.2 | 4.0 | 4.5 | 2.0 | 2.5 | 2.8 |
| Cloudy | 75 | 20 | 68 | BLACK_TOP | -30 | 1.00 | 1.20 | 1.40 | 3.6 | 4.3 | 5.0 | 2.2 | 2.7 | 3.1 |
| Cloudy | 75 | 20 | 68 | BLACK_TOP | -20 | 1.15 | 1.40 | 1.55 | 4.1 | 5.0 | 5.6 | 2.6 | 3.1 | 3.5 |
| Cloudy | 75 | 20 | 68 | BLACK_TOP | -15 | 1.25 | 1.45 | 1.65 | 4.5 | 5.2 | 5.9 | 2.8 | 3.2 | 3.7 |
| Cloudy | 75 | 20 | 68 | BLACK_TOP | -10 | 1.35 | 1.55 | 1.75 | 4.9 | 5.6 | 6.3 | 3.0 | 3.5 | 3.9 |
| Cloudy | 75 | 20 | 68 | BLACK_TOP | -5 | 1.45 | 1.70 | 1.85 | 5.2 | 6.1 | 6.7 | 3.2 | 3.8 | 4.1 |
| Cloudy | 75 | 20 | 68 | BLACK_TOP | 0 | 1.55 | 1.80 | 1.95 | 5.6 | 6.5 | 7.0 | 3.5 | 4.0 | 4.4 |
| Cloudy | 75 | 20 | 68 | BLACK_TOP | 5 | 1.10 | 1.30 | 1.45 | 4.0 | 4.7 | 5.2 | 2.5 | 2.9 | 3.2 |
| Cloudy | 75 | 20 | 68 | BLACK_TOP | 10 | 0.80 | 0.95 | 1.10 | 2.9 | 3.4 | 4.0 | 1.8 | 2.1 | 2.5 |
| Cloudy | 75 | 20 | 68 | BLACK_TOP | 15 | 0.60 | 0.75 | 0.85 | 2.2 | 2.7 | 3.1 | 1.3 | 1.7 | 1.9 |
| Cloudy | 75 | 20 | 68 | BLACK_TOP | 20 | 0.45 | 0.60 | 0.70 | 1.6 | 2.2 | 2.5 | 1.0 | 1.3 | 1.6 |
| Cloudy | 75 | 20 | 68 | BLACK_TOP | 30 | 0.30 | 0.40 | 0.50 | 1.1 | 1.4 | 1.8 | 0.7 | 0.9 | 1.1 |
| Cloudy | 75 | 20 | 68 | BLACK_TOP | 40 | 0.25 | 0.30 | 0.40 | 0.9 | 1.1 | 1.4 | 0.6 | 0.7 | 0.9 |
| Cloudy | 75 | 20 | 68 | BLACK_TOP | 50 | 0.20 | 0.25 | 0.30 | 0.7 | 0.9 | 1.1 | 0.4 | 0.6 | 0.7 |
| Cloudy | 75 | 20 | 68 | DIRT_ROAD | -50 | 0.70 | 0.90 | 1.05 | 2.5 | 3.2 | 3.8 | 1.6 | 2.0 | 2.4 |
| Cloudy | 75 | 20 | 68 | DIRT_ROAD | -40 | 0.85 | 1.00 | 1.15 | 3.1 | 3.6 | 4.1 | 1.9 | 2.2 | 2.6 |
| Cloudy | 75 | 20 | 68 | DIRT_ROAD | -30 | 0.95 | 1.15 | 1.30 | 3.4 | 4.1 | 4.7 | 2.1 | 2.6 | 2.9 |
| Cloudy | 75 | 20 | 68 | DIRT_ROAD | -20 | 1.10 | 1.30 | 1.45 | 4.0 | 4.7 | 5.2 | 2.5 | 2.9 | 3.2 |
| Cloudy | 75 | 20 | 68 | DIRT_ROAD | -15 | 1.20 | 1.40 | 1.55 | 4.3 | 5.0 | 5.6 | 2.7 | 3.1 | 3.5 |
| Cloudy | 75 | 20 | 68 | DIRT_ROAD | -10 | 1.30 | 1.50 | 1.65 | 4.7 | 5.4 | 5.9 | 2.9 | 3.4 | 3.7 |
| Cloudy | 75 | 20 | 68 | DIRT_ROAD | -5 | 1.40 | 1.60 | 1.75 | 5.0 | 5.8 | 6.3 | 3.1 | 3.6 | 3.9 |
| Cloudy | 75 | 20 | 68 | DIRT_ROAD | 0 | 1.50 | 1.70 | 1.85 | 5.4 | 6.1 | 6.7 | 3.4 | 3.8 | 4.1 |
| Cloudy | 75 | 20 | 68 | DIRT_ROAD | 5 | 1.00 | 1.20 | 1.35 | 3.6 | 4.3 | 4.9 | 2.2 | 2.7 | 3.0 |
| Cloudy | 75 | 20 | 68 | DIRT_ROAD | 10 | 0.70 | 0.90 | 1.05 | 2.5 | 3.2 | 3.8 | 1.6 | 2.0 | 2.4 |
| Cloudy | 75 | 20 | 68 | DIRT_ROAD | 15 | 0.55 | 0.70 | 0.80 | 2.0 | 2.5 | 2.9 | 1.2 | 1.6 | 1.8 |
| Cloudy | 75 | 20 | 68 | DIRT_ROAD | 20 | 0.45 | 0.55 | 0.65 | 1.6 | 2.0 | 2.3 | 1.0 | 1.2 | 1.5 |
| Cloudy | 75 | 20 | 68 | DIRT_ROAD | 30 | 0.30 | 0.40 | 0.45 | 1.1 | 1.4 | 1.6 | 0.7 | 0.9 | 1.0 |
| Cloudy | 75 | 20 | 68 | DIRT_ROAD | 40 | 0.20 | 0.30 | 0.35 | 0.7 | 1.1 | 1.3 | 0.4 | 0.7 | 0.8 |
| Cloudy | 75 | 20 | 68 | DIRT_ROAD | 50 | 0.15 | 0.25 | 0.25 | 0.5 | 0.9 | 0.9 | 0.3 | 0.6 | 0.6 |
| Cloudy | 75 | 20 | 68 | LOOSE_SAND | -50 | 0.40 | 0.50 | 0.60 | 1.4 | 1.8 | 2.2 | 0.9 | 1.1 | 1.3 |
| Cloudy | 75 | 20 | 68 | LOOSE_SAND | -40 | 0.50 | 0.60 | 0.70 | 1.8 | 2.2 | 2.5 | 1.1 | 1.3 | 1.6 |
| Cloudy | 75 | 20 | 68 | LOOSE_SAND | -30 | 0.60 | 0.70 | 0.80 | 2.2 | 2.5 | 2.9 | 1.3 | 1.6 | 1.8 |
| Cloudy | 75 | 20 | 68 | LOOSE_SAND | -20 | 0.70 | 0.85 | 0.95 | 2.5 | 3.1 | 3.4 | 1.6 | 1.9 | 2.1 |
| Cloudy | 75 | 20 | 68 | LOOSE_SAND | -15 | 0.80 | 0.95 | 1.05 | 2.9 | 3.4 | 3.8 | 1.8 | 2.1 | 2.4 |
| Cloudy | 75 | 20 | 68 | LOOSE_SAND | -10 | 0.85 | 1.00 | 1.15 | 3.1 | 3.6 | 4.1 | 1.9 | 2.2 | 2.6 |
| Cloudy | 75 | 20 | 68 | LOOSE_SAND | -5 | 0.95 | 1.10 | 1.25 | 3.4 | 4.0 | 4.5 | 2.1 | 2.5 | 2.8 |
| Cloudy | 75 | 20 | 68 | LOOSE_SAND | 0 | 1.10 | 1.25 | 1.35 | 4.0 | 4.5 | 4.9 | 2.5 | 2.8 | 3.0 |
| Cloudy | 75 | 20 | 68 | LOOSE_SAND | 5 | 0.65 | 0.75 | 0.90 | 2.3 | 2.7 | 3.2 | 1.5 | 1.7 | 2.0 |
| Cloudy | 75 | 20 | 68 | LOOSE_SAND | 10 | 0.40 | 0.50 | 0.60 | 1.4 | 1.8 | 2.2 | 0.9 | 1.1 | 1.3 |
| Cloudy | 75 | 20 | 68 | LOOSE_SAND | 15 | 0.30 | 0.40 | 0.45 | 1.1 | 1.4 | 1.6 | 0.7 | 0.9 | 1.0 |
| Cloudy | 75 | 20 | 68 | LOOSE_SAND | 20 | 0.20 | 0.30 | 0.35 | 0.7 | 1.1 | 1.3 | 0.4 | 0.7 | 0.8 |
| Cloudy | 75 | 20 | 68 | LOOSE_SAND | 30 | 0.15 | 0.20 | 0.25 | 0.5 | 0.7 | 0.9 | 0.3 | 0.4 | 0.6 |
| Cloudy | 75 | 20 | 68 | LOOSE_SAND | 40 | 0.10 | 0.15 | 0.15 | 0.4 | 0.5 | 0.5 | 0.2 | 0.3 | 0.3 |
| Cloudy | 75 | 20 | 68 | LOOSE_SAND | 50 | 0.10 | 0.10 | 0.15 | 0.4 | 0.4 | 0.5 | 0.2 | 0.2 | 0.3 |

Table E-26. Maximum Sustainable Speed, Cloudy, 75% Humidity, 25°C (77°F)

| Cloud Cover | RH (%) | °C | °F | Terrain Type | Grade (%) | Max Sustainable Speed (meters/second) | | | Max Sustainable Speed (kilometers/hour) | | | Max Sustainable Speed (miles/hour) | | |
|-------------|--------|----|----|--------------|-----------|---------------------------------------|------|------|---|-----|------|------------------------------------|-----|------|
| | | | | | | Risk Level | | | Risk Level | | | Risk Level | | |
| | | | | | | Low | Mod | High | Low | Mod | High | Low | Mod | High |
| Cloudy | 75 | 25 | 77 | BLACK_TOP | -50 | 0.65 | 0.75 | 0.90 | 2.3 | 2.7 | 3.2 | 1.5 | 1.7 | 2.0 |
| Cloudy | 75 | 25 | 77 | BLACK_TOP | -40 | 0.75 | 0.85 | 1.00 | 2.7 | 3.1 | 3.6 | 1.7 | 1.9 | 2.2 |
| Cloudy | 75 | 25 | 77 | BLACK_TOP | -30 | 0.90 | 1.00 | 1.10 | 3.2 | 3.6 | 4.0 | 2.0 | 2.2 | 2.5 |
| Cloudy | 75 | 25 | 77 | BLACK_TOP | -20 | 1.05 | 1.15 | 1.30 | 3.8 | 4.1 | 4.7 | 2.4 | 2.6 | 2.9 |
| Cloudy | 75 | 25 | 77 | BLACK_TOP | -15 | 1.10 | 1.25 | 1.35 | 4.0 | 4.5 | 4.9 | 2.5 | 2.8 | 3.0 |
| Cloudy | 75 | 25 | 77 | BLACK_TOP | -10 | 1.20 | 1.30 | 1.45 | 4.3 | 4.7 | 5.2 | 2.7 | 2.9 | 3.2 |
| Cloudy | 75 | 25 | 77 | BLACK_TOP | -5 | 1.30 | 1.40 | 1.55 | 4.7 | 5.0 | 5.6 | 2.9 | 3.1 | 3.5 |
| Cloudy | 75 | 25 | 77 | BLACK_TOP | 0 | 1.45 | 1.55 | 1.70 | 5.2 | 5.6 | 6.1 | 3.2 | 3.5 | 3.8 |
| Cloudy | 75 | 25 | 77 | BLACK_TOP | 5 | 0.95 | 1.05 | 1.20 | 3.4 | 3.8 | 4.3 | 2.1 | 2.4 | 2.7 |
| Cloudy | 75 | 25 | 77 | BLACK_TOP | 10 | 0.65 | 0.75 | 0.90 | 2.3 | 2.7 | 3.2 | 1.5 | 1.7 | 2.0 |
| Cloudy | 75 | 25 | 77 | BLACK_TOP | 15 | 0.50 | 0.55 | 0.65 | 1.8 | 2.0 | 2.3 | 1.1 | 1.2 | 1.5 |
| Cloudy | 75 | 25 | 77 | BLACK_TOP | 20 | 0.40 | 0.45 | 0.55 | 1.4 | 1.6 | 2.0 | 0.9 | 1.0 | 1.2 |
| Cloudy | 75 | 25 | 77 | BLACK_TOP | 30 | 0.25 | 0.30 | 0.35 | 0.9 | 1.1 | 1.3 | 0.6 | 0.7 | 0.8 |
| Cloudy | 75 | 25 | 77 | BLACK_TOP | 40 | 0.20 | 0.25 | 0.30 | 0.7 | 0.9 | 1.1 | 0.4 | 0.6 | 0.7 |
| Cloudy | 75 | 25 | 77 | BLACK_TOP | 50 | 0.15 | 0.20 | 0.20 | 0.5 | 0.7 | 0.7 | 0.3 | 0.4 | 0.4 |
| Cloudy | 75 | 25 | 77 | DIRT_ROAD | -50 | 0.60 | 0.70 | 0.80 | 2.2 | 2.5 | 2.9 | 1.3 | 1.6 | 1.8 |
| Cloudy | 75 | 25 | 77 | DIRT_ROAD | -40 | 0.70 | 0.80 | 0.90 | 2.5 | 2.9 | 3.2 | 1.6 | 1.8 | 2.0 |
| Cloudy | 75 | 25 | 77 | DIRT_ROAD | -30 | 0.85 | 0.90 | 1.05 | 3.1 | 3.2 | 3.8 | 1.9 | 2.0 | 2.4 |
| Cloudy | 75 | 25 | 77 | DIRT_ROAD | -20 | 0.95 | 1.05 | 1.20 | 3.4 | 3.8 | 4.3 | 2.1 | 2.4 | 2.7 |
| Cloudy | 75 | 25 | 77 | DIRT_ROAD | -15 | 1.05 | 1.15 | 1.30 | 3.8 | 4.1 | 4.7 | 2.4 | 2.6 | 2.9 |
| Cloudy | 75 | 25 | 77 | DIRT_ROAD | -10 | 1.15 | 1.25 | 1.40 | 4.1 | 4.5 | 5.0 | 2.6 | 2.8 | 3.1 |
| Cloudy | 75 | 25 | 77 | DIRT_ROAD | -5 | 1.25 | 1.35 | 1.50 | 4.5 | 4.9 | 5.4 | 2.8 | 3.0 | 3.4 |
| Cloudy | 75 | 25 | 77 | DIRT_ROAD | 0 | 1.35 | 1.45 | 1.60 | 4.9 | 5.2 | 5.8 | 3.0 | 3.2 | 3.6 |
| Cloudy | 75 | 25 | 77 | DIRT_ROAD | 5 | 0.90 | 1.00 | 1.10 | 3.2 | 3.6 | 4.0 | 2.0 | 2.2 | 2.5 |
| Cloudy | 75 | 25 | 77 | DIRT_ROAD | 10 | 0.60 | 0.70 | 0.80 | 2.2 | 2.5 | 2.9 | 1.3 | 1.6 | 1.8 |
| Cloudy | 75 | 25 | 77 | DIRT_ROAD | 15 | 0.45 | 0.50 | 0.60 | 1.6 | 1.8 | 2.2 | 1.0 | 1.1 | 1.3 |
| Cloudy | 75 | 25 | 77 | DIRT_ROAD | 20 | 0.35 | 0.40 | 0.50 | 1.3 | 1.4 | 1.8 | 0.8 | 0.9 | 1.1 |
| Cloudy | 75 | 25 | 77 | DIRT_ROAD | 30 | 0.25 | 0.30 | 0.35 | 0.9 | 1.1 | 1.3 | 0.6 | 0.7 | 0.8 |
| Cloudy | 75 | 25 | 77 | DIRT_ROAD | 40 | 0.20 | 0.20 | 0.25 | 0.7 | 0.7 | 0.9 | 0.4 | 0.4 | 0.6 |
| Cloudy | 75 | 25 | 77 | DIRT_ROAD | 50 | 0.15 | 0.15 | 0.20 | 0.5 | 0.5 | 0.7 | 0.3 | 0.3 | 0.4 |
| Cloudy | 75 | 25 | 77 | LOOSE_SAND | -50 | 0.35 | 0.40 | 0.45 | 1.3 | 1.4 | 1.6 | 0.8 | 0.9 | 1.0 |
| Cloudy | 75 | 25 | 77 | LOOSE_SAND | -40 | 0.40 | 0.45 | 0.55 | 1.4 | 1.6 | 2.0 | 0.9 | 1.0 | 1.2 |
| Cloudy | 75 | 25 | 77 | LOOSE_SAND | -30 | 0.50 | 0.55 | 0.65 | 1.8 | 2.0 | 2.3 | 1.1 | 1.2 | 1.5 |
| Cloudy | 75 | 25 | 77 | LOOSE_SAND | -20 | 0.60 | 0.70 | 0.80 | 2.2 | 2.5 | 2.9 | 1.3 | 1.6 | 1.8 |
| Cloudy | 75 | 25 | 77 | LOOSE_SAND | -15 | 0.70 | 0.75 | 0.85 | 2.5 | 2.7 | 3.1 | 1.6 | 1.7 | 1.9 |
| Cloudy | 75 | 25 | 77 | LOOSE_SAND | -10 | 0.75 | 0.85 | 0.95 | 2.7 | 3.1 | 3.4 | 1.7 | 1.9 | 2.1 |
| Cloudy | 75 | 25 | 77 | LOOSE_SAND | -5 | 0.85 | 0.95 | 1.05 | 3.1 | 3.4 | 3.8 | 1.9 | 2.1 | 2.4 |
| Cloudy | 75 | 25 | 77 | LOOSE_SAND | 0 | 1.00 | 1.05 | 1.15 | 3.6 | 3.8 | 4.1 | 2.2 | 2.4 | 2.6 |
| Cloudy | 75 | 25 | 77 | LOOSE_SAND | 5 | 0.55 | 0.60 | 0.70 | 2.0 | 2.2 | 2.5 | 1.2 | 1.3 | 1.6 |
| Cloudy | 75 | 25 | 77 | LOOSE_SAND | 10 | 0.35 | 0.40 | 0.45 | 1.3 | 1.4 | 1.6 | 0.8 | 0.9 | 1.0 |
| Cloudy | 75 | 25 | 77 | LOOSE_SAND | 15 | 0.25 | 0.30 | 0.35 | 0.9 | 1.1 | 1.3 | 0.6 | 0.7 | 0.8 |
| Cloudy | 75 | 25 | 77 | LOOSE_SAND | 20 | 0.20 | 0.20 | 0.25 | 0.7 | 0.7 | 0.9 | 0.4 | 0.4 | 0.6 |
| Cloudy | 75 | 25 | 77 | LOOSE_SAND | 30 | 0.10 | 0.15 | 0.15 | 0.4 | 0.5 | 0.5 | 0.2 | 0.3 | 0.3 |
| Cloudy | 75 | 25 | 77 | LOOSE_SAND | 40 | 0.10 | 0.10 | 0.10 | 0.4 | 0.4 | 0.4 | 0.2 | 0.2 | 0.2 |
| Cloudy | 75 | 25 | 77 | LOOSE_SAND | 50 | 0.05 | 0.05 | 0.10 | 0.2 | 0.2 | 0.4 | 0.1 | 0.1 | 0.2 |

Table E-27. Maximum Sustainable Speed, Cloudy, 75% Humidity, 30°C (86°F)

| Cloud Cover | RH (%) | °C | °F | Terrain Type | Grade (%) | Max Sustainable Speed (meters/second) | | | Max Sustainable Speed (kilometers/hour) | | | Max Sustainable Speed (miles/hour) | | |
|-------------|--------|----|----|--------------|-----------|---------------------------------------|------|------|---|-----|------|------------------------------------|-----|------|
| | | | | | | Risk Level | | | Risk Level | | | Risk Level | | |
| | | | | | | Low | Mod | High | Low | Mod | High | Low | Mod | High |
| Cloudy | 75 | 30 | 86 | BLACK_TOP | -50 | 0.40 | 0.50 | 0.60 | 1.4 | 1.8 | 2.2 | 0.9 | 1.1 | 1.3 |
| Cloudy | 75 | 30 | 86 | BLACK_TOP | -40 | 0.50 | 0.55 | 0.70 | 1.8 | 2.0 | 2.5 | 1.1 | 1.2 | 1.6 |
| Cloudy | 75 | 30 | 86 | BLACK_TOP | -30 | 0.60 | 0.65 | 0.80 | 2.2 | 2.3 | 2.9 | 1.3 | 1.5 | 1.8 |
| Cloudy | 75 | 30 | 86 | BLACK_TOP | -20 | 0.70 | 0.80 | 0.95 | 2.5 | 2.9 | 3.4 | 1.6 | 1.8 | 2.1 |
| Cloudy | 75 | 30 | 86 | BLACK_TOP | -15 | 0.80 | 0.85 | 1.00 | 2.9 | 3.1 | 3.6 | 1.8 | 1.9 | 2.2 |
| Cloudy | 75 | 30 | 86 | BLACK_TOP | -10 | 0.85 | 0.95 | 1.10 | 3.1 | 3.4 | 4.0 | 1.9 | 2.1 | 2.5 |
| Cloudy | 75 | 30 | 86 | BLACK_TOP | -5 | 0.95 | 1.05 | 1.20 | 3.4 | 3.8 | 4.3 | 2.1 | 2.4 | 2.7 |
| Cloudy | 75 | 30 | 86 | BLACK_TOP | 0 | 1.10 | 1.15 | 1.35 | 4.0 | 4.1 | 4.9 | 2.5 | 2.6 | 3.0 |
| Cloudy | 75 | 30 | 86 | BLACK_TOP | 5 | 0.65 | 0.70 | 0.85 | 2.3 | 2.5 | 3.1 | 1.5 | 1.6 | 1.9 |
| Cloudy | 75 | 30 | 86 | BLACK_TOP | 10 | 0.40 | 0.50 | 0.60 | 1.4 | 1.8 | 2.2 | 0.9 | 1.1 | 1.3 |
| Cloudy | 75 | 30 | 86 | BLACK_TOP | 15 | 0.30 | 0.35 | 0.45 | 1.1 | 1.3 | 1.6 | 0.7 | 0.8 | 1.0 |
| Cloudy | 75 | 30 | 86 | BLACK_TOP | 20 | 0.20 | 0.25 | 0.35 | 0.7 | 0.9 | 1.3 | 0.4 | 0.6 | 0.8 |
| Cloudy | 75 | 30 | 86 | BLACK_TOP | 30 | 0.15 | 0.15 | 0.25 | 0.5 | 0.5 | 0.9 | 0.3 | 0.3 | 0.6 |
| Cloudy | 75 | 30 | 86 | BLACK_TOP | 40 | 0.10 | 0.10 | 0.15 | 0.4 | 0.4 | 0.5 | 0.2 | 0.2 | 0.3 |
| Cloudy | 75 | 30 | 86 | BLACK_TOP | 50 | 0.10 | 0.10 | 0.15 | 0.4 | 0.4 | 0.5 | 0.2 | 0.2 | 0.3 |
| Cloudy | 75 | 30 | 86 | DIRT_ROAD | -50 | 0.40 | 0.45 | 0.55 | 1.4 | 1.6 | 2.0 | 0.9 | 1.0 | 1.2 |
| Cloudy | 75 | 30 | 86 | DIRT_ROAD | -40 | 0.45 | 0.50 | 0.65 | 1.6 | 1.8 | 2.3 | 1.0 | 1.1 | 1.5 |
| Cloudy | 75 | 30 | 86 | DIRT_ROAD | -30 | 0.55 | 0.60 | 0.75 | 2.0 | 2.2 | 2.7 | 1.2 | 1.3 | 1.7 |
| Cloudy | 75 | 30 | 86 | DIRT_ROAD | -20 | 0.65 | 0.75 | 0.90 | 2.3 | 2.7 | 3.2 | 1.5 | 1.7 | 2.0 |
| Cloudy | 75 | 30 | 86 | DIRT_ROAD | -15 | 0.75 | 0.80 | 0.95 | 2.7 | 2.9 | 3.4 | 1.7 | 1.8 | 2.1 |
| Cloudy | 75 | 30 | 86 | DIRT_ROAD | -10 | 0.80 | 0.90 | 1.05 | 2.9 | 3.2 | 3.8 | 1.8 | 2.0 | 2.4 |
| Cloudy | 75 | 30 | 86 | DIRT_ROAD | -5 | 0.90 | 1.00 | 1.15 | 3.2 | 3.6 | 4.1 | 2.0 | 2.2 | 2.6 |
| Cloudy | 75 | 30 | 86 | DIRT_ROAD | 0 | 1.05 | 1.10 | 1.25 | 3.8 | 4.0 | 4.5 | 2.4 | 2.5 | 2.8 |
| Cloudy | 75 | 30 | 86 | DIRT_ROAD | 5 | 0.60 | 0.65 | 0.80 | 2.2 | 2.3 | 2.9 | 1.3 | 1.5 | 1.8 |
| Cloudy | 75 | 30 | 86 | DIRT_ROAD | 10 | 0.40 | 0.45 | 0.55 | 1.4 | 1.6 | 2.0 | 0.9 | 1.0 | 1.2 |
| Cloudy | 75 | 30 | 86 | DIRT_ROAD | 15 | 0.25 | 0.30 | 0.40 | 0.9 | 1.1 | 1.4 | 0.6 | 0.7 | 0.9 |
| Cloudy | 75 | 30 | 86 | DIRT_ROAD | 20 | 0.20 | 0.25 | 0.30 | 0.7 | 0.9 | 1.1 | 0.4 | 0.6 | 0.7 |
| Cloudy | 75 | 30 | 86 | DIRT_ROAD | 30 | 0.15 | 0.15 | 0.20 | 0.5 | 0.5 | 0.7 | 0.3 | 0.3 | 0.4 |
| Cloudy | 75 | 30 | 86 | DIRT_ROAD | 40 | 0.10 | 0.10 | 0.15 | 0.4 | 0.4 | 0.5 | 0.2 | 0.2 | 0.3 |
| Cloudy | 75 | 30 | 86 | DIRT_ROAD | 50 | 0.05 | 0.10 | 0.10 | 0.2 | 0.4 | 0.4 | 0.1 | 0.2 | 0.2 |
| Cloudy | 75 | 30 | 86 | LOOSE_SAND | -50 | 0.20 | 0.25 | 0.30 | 0.7 | 0.9 | 1.1 | 0.4 | 0.6 | 0.7 |
| Cloudy | 75 | 30 | 86 | LOOSE_SAND | -40 | 0.25 | 0.30 | 0.35 | 0.9 | 1.1 | 1.3 | 0.6 | 0.7 | 0.8 |
| Cloudy | 75 | 30 | 86 | LOOSE_SAND | -30 | 0.30 | 0.35 | 0.45 | 1.1 | 1.3 | 1.6 | 0.7 | 0.8 | 1.0 |
| Cloudy | 75 | 30 | 86 | LOOSE_SAND | -20 | 0.40 | 0.45 | 0.55 | 1.4 | 1.6 | 2.0 | 0.9 | 1.0 | 1.2 |
| Cloudy | 75 | 30 | 86 | LOOSE_SAND | -15 | 0.45 | 0.50 | 0.60 | 1.6 | 1.8 | 2.2 | 1.0 | 1.1 | 1.3 |
| Cloudy | 75 | 30 | 86 | LOOSE_SAND | -10 | 0.55 | 0.60 | 0.70 | 2.0 | 2.2 | 2.5 | 1.2 | 1.3 | 1.6 |
| Cloudy | 75 | 30 | 86 | LOOSE_SAND | -5 | 0.65 | 0.70 | 0.80 | 2.3 | 2.5 | 2.9 | 1.5 | 1.6 | 1.8 |
| Cloudy | 75 | 30 | 86 | LOOSE_SAND | 0 | 0.75 | 0.80 | 0.90 | 2.7 | 2.9 | 3.2 | 1.7 | 1.8 | 2.0 |
| Cloudy | 75 | 30 | 86 | LOOSE_SAND | 5 | 0.35 | 0.40 | 0.50 | 1.3 | 1.4 | 1.8 | 0.8 | 0.9 | 1.1 |
| Cloudy | 75 | 30 | 86 | LOOSE_SAND | 10 | 0.20 | 0.25 | 0.30 | 0.7 | 0.9 | 1.1 | 0.4 | 0.6 | 0.7 |
| Cloudy | 75 | 30 | 86 | LOOSE_SAND | 15 | 0.15 | 0.15 | 0.20 | 0.5 | 0.5 | 0.7 | 0.3 | 0.3 | 0.4 |
| Cloudy | 75 | 30 | 86 | LOOSE_SAND | 20 | 0.10 | 0.10 | 0.15 | 0.4 | 0.4 | 0.5 | 0.2 | 0.2 | 0.3 |
| Cloudy | 75 | 30 | 86 | LOOSE_SAND | 30 | 0.05 | 0.05 | 0.10 | 0.2 | 0.2 | 0.4 | 0.1 | 0.1 | 0.2 |
| Cloudy | 75 | 30 | 86 | LOOSE_SAND | 40 | 0.05 | 0.05 | 0.05 | 0.2 | 0.2 | 0.2 | 0.1 | 0.1 | 0.1 |
| Cloudy | 75 | 30 | 86 | LOOSE_SAND | 50 | 0.00 | 0.05 | 0.05 | 0.0 | 0.2 | 0.2 | 0.0 | 0.1 | 0.1 |

Table E-28. Maximum Sustainable Speed, Cloudy, 75% Humidity, 35°C (95°F)

| Cloud Cover | RH (%) | °C | °F | Terrain Type | Grade (%) | Max Sustainable Speed (meters/second) | | | Max Sustainable Speed (kilometers/hour) | | | Max Sustainable Speed (miles/hour) | | |
|-------------|--------|----|----|--------------|-----------|---------------------------------------|------|------|---|-----|------|------------------------------------|-----|------|
| | | | | | | Risk Level | | | Risk Level | | | Risk Level | | |
| | | | | | | Low | Mod | High | Low | Mod | High | Low | Mod | High |
| Cloudy | 75 | 35 | 95 | BLACK_TOP | -50 | 0.05 | 0.10 | 0.25 | 0.2 | 0.4 | 0.9 | 0.1 | 0.2 | 0.6 |
| Cloudy | 75 | 35 | 95 | BLACK_TOP | -40 | 0.10 | 0.15 | 0.30 | 0.4 | 0.5 | 1.1 | 0.2 | 0.3 | 0.7 |
| Cloudy | 75 | 35 | 95 | BLACK_TOP | -30 | 0.10 | 0.20 | 0.35 | 0.4 | 0.7 | 1.3 | 0.2 | 0.4 | 0.8 |
| Cloudy | 75 | 35 | 95 | BLACK_TOP | -20 | 0.20 | 0.25 | 0.45 | 0.7 | 0.9 | 1.6 | 0.4 | 0.6 | 1.0 |
| Cloudy | 75 | 35 | 95 | BLACK_TOP | -15 | 0.20 | 0.30 | 0.50 | 0.7 | 1.1 | 1.8 | 0.4 | 0.7 | 1.1 |
| Cloudy | 75 | 35 | 95 | BLACK_TOP | -10 | 0.25 | 0.35 | 0.60 | 0.9 | 1.3 | 2.2 | 0.6 | 0.8 | 1.3 |
| Cloudy | 75 | 35 | 95 | BLACK_TOP | -5 | 0.35 | 0.45 | 0.70 | 1.3 | 1.6 | 2.5 | 0.8 | 1.0 | 1.6 |
| Cloudy | 75 | 35 | 95 | BLACK_TOP | 0 | 0.45 | 0.55 | 0.80 | 1.6 | 2.0 | 2.9 | 1.0 | 1.2 | 1.8 |
| Cloudy | 75 | 35 | 95 | BLACK_TOP | 5 | 0.15 | 0.20 | 0.40 | 0.5 | 0.7 | 1.4 | 0.3 | 0.4 | 0.9 |
| Cloudy | 75 | 35 | 95 | BLACK_TOP | 10 | 0.05 | 0.10 | 0.25 | 0.2 | 0.4 | 0.9 | 0.1 | 0.2 | 0.6 |
| Cloudy | 75 | 35 | 95 | BLACK_TOP | 15 | 0.05 | 0.05 | 0.15 | 0.2 | 0.2 | 0.5 | 0.1 | 0.1 | 0.3 |
| Cloudy | 75 | 35 | 95 | BLACK_TOP | 20 | 0.00 | 0.05 | 0.10 | 0.0 | 0.2 | 0.4 | 0.0 | 0.1 | 0.2 |
| Cloudy | 75 | 35 | 95 | BLACK_TOP | 30 | 0.00 | 0.00 | 0.05 | 0.0 | 0.0 | 0.2 | 0.0 | 0.0 | 0.1 |
| Cloudy | 75 | 35 | 95 | BLACK_TOP | 40 | 0.00 | 0.00 | 0.05 | 0.0 | 0.0 | 0.2 | 0.0 | 0.0 | 0.1 |
| Cloudy | 75 | 35 | 95 | BLACK_TOP | 50 | 0.00 | 0.00 | 0.05 | 0.0 | 0.0 | 0.2 | 0.0 | 0.0 | 0.1 |
| Cloudy | 75 | 35 | 95 | DIRT_ROAD | -50 | 0.05 | 0.10 | 0.20 | 0.2 | 0.4 | 0.7 | 0.1 | 0.2 | 0.4 |
| Cloudy | 75 | 35 | 95 | DIRT_ROAD | -40 | 0.10 | 0.15 | 0.25 | 0.4 | 0.5 | 0.9 | 0.2 | 0.3 | 0.6 |
| Cloudy | 75 | 35 | 95 | DIRT_ROAD | -30 | 0.10 | 0.15 | 0.30 | 0.4 | 0.5 | 1.1 | 0.2 | 0.3 | 0.7 |
| Cloudy | 75 | 35 | 95 | DIRT_ROAD | -20 | 0.15 | 0.25 | 0.40 | 0.5 | 0.9 | 1.4 | 0.3 | 0.6 | 0.9 |
| Cloudy | 75 | 35 | 95 | DIRT_ROAD | -15 | 0.20 | 0.30 | 0.50 | 0.7 | 1.1 | 1.8 | 0.4 | 0.7 | 1.1 |
| Cloudy | 75 | 35 | 95 | DIRT_ROAD | -10 | 0.25 | 0.35 | 0.55 | 0.9 | 1.3 | 2.0 | 0.6 | 0.8 | 1.2 |
| Cloudy | 75 | 35 | 95 | DIRT_ROAD | -5 | 0.35 | 0.45 | 0.65 | 1.3 | 1.6 | 2.3 | 0.8 | 1.0 | 1.5 |
| Cloudy | 75 | 35 | 95 | DIRT_ROAD | 0 | 0.45 | 0.55 | 0.75 | 1.6 | 2.0 | 2.7 | 1.0 | 1.2 | 1.7 |
| Cloudy | 75 | 35 | 95 | DIRT_ROAD | 5 | 0.15 | 0.20 | 0.35 | 0.5 | 0.7 | 1.3 | 0.3 | 0.4 | 0.8 |
| Cloudy | 75 | 35 | 95 | DIRT_ROAD | 10 | 0.05 | 0.10 | 0.20 | 0.2 | 0.4 | 0.7 | 0.1 | 0.2 | 0.4 |
| Cloudy | 75 | 35 | 95 | DIRT_ROAD | 15 | 0.05 | 0.05 | 0.15 | 0.2 | 0.2 | 0.5 | 0.1 | 0.1 | 0.3 |
| Cloudy | 75 | 35 | 95 | DIRT_ROAD | 20 | 0.00 | 0.05 | 0.10 | 0.0 | 0.2 | 0.4 | 0.0 | 0.1 | 0.2 |
| Cloudy | 75 | 35 | 95 | DIRT_ROAD | 30 | 0.00 | 0.00 | 0.05 | 0.0 | 0.0 | 0.2 | 0.0 | 0.0 | 0.1 |
| Cloudy | 75 | 35 | 95 | DIRT_ROAD | 40 | 0.00 | 0.00 | 0.05 | 0.0 | 0.0 | 0.2 | 0.0 | 0.0 | 0.1 |
| Cloudy | 75 | 35 | 95 | DIRT_ROAD | 50 | 0.00 | 0.00 | 0.05 | 0.0 | 0.0 | 0.2 | 0.0 | 0.0 | 0.1 |
| Cloudy | 75 | 35 | 95 | LOOSE_SAND | -50 | 0.00 | 0.05 | 0.10 | 0.0 | 0.2 | 0.4 | 0.0 | 0.1 | 0.2 |
| Cloudy | 75 | 35 | 95 | LOOSE_SAND | -40 | 0.05 | 0.05 | 0.15 | 0.2 | 0.2 | 0.5 | 0.1 | 0.1 | 0.3 |
| Cloudy | 75 | 35 | 95 | LOOSE_SAND | -30 | 0.05 | 0.10 | 0.15 | 0.2 | 0.4 | 0.5 | 0.1 | 0.2 | 0.3 |
| Cloudy | 75 | 35 | 95 | LOOSE_SAND | -20 | 0.10 | 0.10 | 0.25 | 0.4 | 0.4 | 0.9 | 0.2 | 0.2 | 0.6 |
| Cloudy | 75 | 35 | 95 | LOOSE_SAND | -15 | 0.10 | 0.15 | 0.30 | 0.4 | 0.5 | 1.1 | 0.2 | 0.3 | 0.7 |
| Cloudy | 75 | 35 | 95 | LOOSE_SAND | -10 | 0.15 | 0.20 | 0.35 | 0.5 | 0.7 | 1.3 | 0.3 | 0.4 | 0.8 |
| Cloudy | 75 | 35 | 95 | LOOSE_SAND | -5 | 0.20 | 0.30 | 0.45 | 0.7 | 1.1 | 1.6 | 0.4 | 0.7 | 1.0 |
| Cloudy | 75 | 35 | 95 | LOOSE_SAND | 0 | 0.30 | 0.40 | 0.55 | 1.1 | 1.4 | 2.0 | 0.7 | 0.9 | 1.2 |
| Cloudy | 75 | 35 | 95 | LOOSE_SAND | 5 | 0.05 | 0.10 | 0.20 | 0.2 | 0.4 | 0.7 | 0.1 | 0.2 | 0.4 |
| Cloudy | 75 | 35 | 95 | LOOSE_SAND | 10 | 0.00 | 0.05 | 0.10 | 0.0 | 0.2 | 0.4 | 0.0 | 0.1 | 0.2 |
| Cloudy | 75 | 35 | 95 | LOOSE_SAND | 15 | 0.00 | 0.00 | 0.05 | 0.0 | 0.0 | 0.2 | 0.0 | 0.0 | 0.1 |
| Cloudy | 75 | 35 | 95 | LOOSE_SAND | 20 | 0.00 | 0.00 | 0.05 | 0.0 | 0.0 | 0.2 | 0.0 | 0.0 | 0.1 |
| Cloudy | 75 | 35 | 95 | LOOSE_SAND | 30 | 0.00 | 0.00 | 0.00 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Cloudy | 75 | 35 | 95 | LOOSE_SAND | 40 | 0.00 | 0.00 | 0.00 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Cloudy | 75 | 35 | 95 | LOOSE_SAND | 50 | 0.00 | 0.00 | 0.00 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

Table E-29. Maximum Sustainable Speed, Cloudy, 95% Humidity, 5°C (41°F)

| Cloud Cover | RH (%) | °C | °F | Terrain Type | Grade (%) | Max Sustainable Speed (meters/second) | | | Max Sustainable Speed (kilometers/hour) | | | Max Sustainable Speed (miles/hour) | | |
|-------------|--------|----|----|--------------|-----------|---------------------------------------|------|------|---|-----|------|------------------------------------|-----|------|
| | | | | | | Risk Level | | | Risk Level | | | Risk Level | | |
| | | | | | | Low | Mod | High | Low | Mod | High | Low | Mod | High |
| Cloudy | 95 | 5 | 41 | BLACK_TOP | -50 | 1.05 | 1.30 | 1.60 | 3.8 | 4.7 | 5.8 | 2.4 | 2.9 | 3.6 |
| Cloudy | 95 | 5 | 41 | BLACK_TOP | -40 | 1.15 | 1.40 | 1.75 | 4.1 | 5.0 | 6.3 | 2.6 | 3.1 | 3.9 |
| Cloudy | 95 | 5 | 41 | BLACK_TOP | -30 | 1.30 | 1.55 | 1.90 | 4.7 | 5.6 | 6.8 | 2.9 | 3.5 | 4.3 |
| Cloudy | 95 | 5 | 41 | BLACK_TOP | -20 | 1.45 | 1.75 | 2.10 | 5.2 | 6.3 | 7.6 | 3.2 | 3.9 | 4.7 |
| Cloudy | 95 | 5 | 41 | BLACK_TOP | -15 | 1.55 | 1.85 | 2.20 | 5.6 | 6.7 | 7.9 | 3.5 | 4.1 | 4.9 |
| Cloudy | 95 | 5 | 41 | BLACK_TOP | -10 | 1.65 | 1.95 | 2.30 | 5.9 | 7.0 | 8.3 | 3.7 | 4.4 | 5.2 |
| Cloudy | 95 | 5 | 41 | BLACK_TOP | -5 | 1.75 | 2.05 | 2.40 | 6.3 | 7.4 | 8.6 | 3.9 | 4.6 | 5.4 |
| Cloudy | 95 | 5 | 41 | BLACK_TOP | 0 | 1.85 | 2.15 | 2.50 | 6.7 | 7.7 | 9.0 | 4.1 | 4.8 | 5.6 |
| Cloudy | 95 | 5 | 41 | BLACK_TOP | 5 | 1.40 | 1.65 | 2.00 | 5.0 | 5.9 | 7.2 | 3.1 | 3.7 | 4.5 |
| Cloudy | 95 | 5 | 41 | BLACK_TOP | 10 | 1.05 | 1.30 | 1.60 | 3.8 | 4.7 | 5.8 | 2.4 | 2.9 | 3.6 |
| Cloudy | 95 | 5 | 41 | BLACK_TOP | 15 | 0.80 | 1.00 | 1.30 | 2.9 | 3.6 | 4.7 | 1.8 | 2.2 | 2.9 |
| Cloudy | 95 | 5 | 41 | BLACK_TOP | 20 | 0.65 | 0.85 | 1.10 | 2.3 | 3.1 | 4.0 | 1.5 | 1.9 | 2.5 |
| Cloudy | 95 | 5 | 41 | BLACK_TOP | 30 | 0.45 | 0.60 | 0.80 | 1.6 | 2.2 | 2.9 | 1.0 | 1.3 | 1.8 |
| Cloudy | 95 | 5 | 41 | BLACK_TOP | 40 | 0.35 | 0.45 | 0.65 | 1.3 | 1.6 | 2.3 | 0.8 | 1.0 | 1.5 |
| Cloudy | 95 | 5 | 41 | BLACK_TOP | 50 | 0.30 | 0.35 | 0.50 | 1.1 | 1.3 | 1.8 | 0.7 | 0.8 | 1.1 |
| Cloudy | 95 | 5 | 41 | DIRT_ROAD | -50 | 0.95 | 1.20 | 1.50 | 3.4 | 4.3 | 5.4 | 2.1 | 2.7 | 3.4 |
| Cloudy | 95 | 5 | 41 | DIRT_ROAD | -40 | 1.10 | 1.30 | 1.65 | 4.0 | 4.7 | 5.9 | 2.5 | 2.9 | 3.7 |
| Cloudy | 95 | 5 | 41 | DIRT_ROAD | -30 | 1.20 | 1.45 | 1.80 | 4.3 | 5.2 | 6.5 | 2.7 | 3.2 | 4.0 |
| Cloudy | 95 | 5 | 41 | DIRT_ROAD | -20 | 1.40 | 1.65 | 2.00 | 5.0 | 5.9 | 7.2 | 3.1 | 3.7 | 4.5 |
| Cloudy | 95 | 5 | 41 | DIRT_ROAD | -15 | 1.45 | 1.75 | 2.10 | 5.2 | 6.3 | 7.6 | 3.2 | 3.9 | 4.7 |
| Cloudy | 95 | 5 | 41 | DIRT_ROAD | -10 | 1.55 | 1.85 | 2.20 | 5.6 | 6.7 | 7.9 | 3.5 | 4.1 | 4.9 |
| Cloudy | 95 | 5 | 41 | DIRT_ROAD | -5 | 1.65 | 1.95 | 2.30 | 5.9 | 7.0 | 8.3 | 3.7 | 4.4 | 5.2 |
| Cloudy | 95 | 5 | 41 | DIRT_ROAD | 0 | 1.80 | 2.05 | 2.40 | 6.5 | 7.4 | 8.6 | 4.0 | 4.6 | 5.4 |
| Cloudy | 95 | 5 | 41 | DIRT_ROAD | 5 | 1.30 | 1.55 | 1.90 | 4.7 | 5.6 | 6.8 | 2.9 | 3.5 | 4.3 |
| Cloudy | 95 | 5 | 41 | DIRT_ROAD | 10 | 0.95 | 1.20 | 1.50 | 3.4 | 4.3 | 5.4 | 2.1 | 2.7 | 3.4 |
| Cloudy | 95 | 5 | 41 | DIRT_ROAD | 15 | 0.75 | 0.95 | 1.20 | 2.7 | 3.4 | 4.3 | 1.7 | 2.1 | 2.7 |
| Cloudy | 95 | 5 | 41 | DIRT_ROAD | 20 | 0.60 | 0.75 | 1.00 | 2.2 | 2.7 | 3.6 | 1.3 | 1.7 | 2.2 |
| Cloudy | 95 | 5 | 41 | DIRT_ROAD | 30 | 0.40 | 0.55 | 0.75 | 1.4 | 2.0 | 2.7 | 0.9 | 1.2 | 1.7 |
| Cloudy | 95 | 5 | 41 | DIRT_ROAD | 40 | 0.30 | 0.40 | 0.55 | 1.1 | 1.4 | 2.0 | 0.7 | 0.9 | 1.2 |
| Cloudy | 95 | 5 | 41 | DIRT_ROAD | 50 | 0.25 | 0.35 | 0.45 | 0.9 | 1.3 | 1.6 | 0.6 | 0.8 | 1.0 |
| Cloudy | 95 | 5 | 41 | LOOSE_SAND | -50 | 0.55 | 0.70 | 0.90 | 2.0 | 2.5 | 3.2 | 1.2 | 1.6 | 2.0 |
| Cloudy | 95 | 5 | 41 | LOOSE_SAND | -40 | 0.65 | 0.80 | 1.05 | 2.3 | 2.9 | 3.8 | 1.5 | 1.8 | 2.4 |
| Cloudy | 95 | 5 | 41 | LOOSE_SAND | -30 | 0.75 | 0.95 | 1.15 | 2.7 | 3.4 | 4.1 | 1.7 | 2.1 | 2.6 |
| Cloudy | 95 | 5 | 41 | LOOSE_SAND | -20 | 0.90 | 1.10 | 1.35 | 3.2 | 4.0 | 4.9 | 2.0 | 2.5 | 3.0 |
| Cloudy | 95 | 5 | 41 | LOOSE_SAND | -15 | 1.00 | 1.15 | 1.40 | 3.6 | 4.1 | 5.0 | 2.2 | 2.6 | 3.1 |
| Cloudy | 95 | 5 | 41 | LOOSE_SAND | -10 | 1.05 | 1.25 | 1.50 | 3.8 | 4.5 | 5.4 | 2.4 | 2.8 | 3.4 |
| Cloudy | 95 | 5 | 41 | LOOSE_SAND | -5 | 1.15 | 1.35 | 1.60 | 4.1 | 4.9 | 5.8 | 2.6 | 3.0 | 3.6 |
| Cloudy | 95 | 5 | 41 | LOOSE_SAND | 0 | 1.30 | 1.50 | 1.75 | 4.7 | 5.4 | 6.3 | 2.9 | 3.4 | 3.9 |
| Cloudy | 95 | 5 | 41 | LOOSE_SAND | 5 | 0.85 | 1.00 | 1.25 | 3.1 | 3.6 | 4.5 | 1.9 | 2.2 | 2.8 |
| Cloudy | 95 | 5 | 41 | LOOSE_SAND | 10 | 0.55 | 0.70 | 0.90 | 2.0 | 2.5 | 3.2 | 1.2 | 1.6 | 2.0 |
| Cloudy | 95 | 5 | 41 | LOOSE_SAND | 15 | 0.40 | 0.55 | 0.70 | 1.4 | 2.0 | 2.5 | 0.9 | 1.2 | 1.6 |
| Cloudy | 95 | 5 | 41 | LOOSE_SAND | 20 | 0.30 | 0.40 | 0.55 | 1.1 | 1.4 | 2.0 | 0.7 | 0.9 | 1.2 |
| Cloudy | 95 | 5 | 41 | LOOSE_SAND | 30 | 0.20 | 0.30 | 0.40 | 0.7 | 1.1 | 1.4 | 0.4 | 0.7 | 0.9 |
| Cloudy | 95 | 5 | 41 | LOOSE_SAND | 40 | 0.15 | 0.20 | 0.30 | 0.5 | 0.7 | 1.1 | 0.3 | 0.4 | 0.7 |
| Cloudy | 95 | 5 | 41 | LOOSE_SAND | 50 | 0.10 | 0.15 | 0.25 | 0.4 | 0.5 | 0.9 | 0.2 | 0.3 | 0.6 |

Table E-30. Maximum Sustainable Speed, Cloudy, 95% Humidity, 10°C (50°F)

| Cloud Cover | RH (%) | °C | °F | Terrain Type | Grade (%) | Max Sustainable Speed (meters/second) | | | Max Sustainable Speed (kilometers/hour) | | | Max Sustainable Speed (miles/hour) | | |
|-------------|--------|----|----|--------------|-----------|---------------------------------------|------|------|---|-----|------|------------------------------------|-----|------|
| | | | | | | Risk Level | | | Risk Level | | | Risk Level | | |
| | | | | | | Low | Mod | High | Low | Mod | High | Low | Mod | High |
| Cloudy | 95 | 10 | 50 | BLACK_TOP | -50 | 0.95 | 1.20 | 1.45 | 3.4 | 4.3 | 5.2 | 2.1 | 2.7 | 3.2 |
| Cloudy | 95 | 10 | 50 | BLACK_TOP | -40 | 1.05 | 1.30 | 1.60 | 3.8 | 4.7 | 5.8 | 2.4 | 2.9 | 3.6 |
| Cloudy | 95 | 10 | 50 | BLACK_TOP | -30 | 1.20 | 1.45 | 1.75 | 4.3 | 5.2 | 6.3 | 2.7 | 3.2 | 3.9 |
| Cloudy | 95 | 10 | 50 | BLACK_TOP | -20 | 1.35 | 1.65 | 1.90 | 4.9 | 5.9 | 6.8 | 3.0 | 3.7 | 4.3 |
| Cloudy | 95 | 10 | 50 | BLACK_TOP | -15 | 1.45 | 1.75 | 2.00 | 5.2 | 6.3 | 7.2 | 3.2 | 3.9 | 4.5 |
| Cloudy | 95 | 10 | 50 | BLACK_TOP | -10 | 1.55 | 1.85 | 2.10 | 5.6 | 6.7 | 7.6 | 3.5 | 4.1 | 4.7 |
| Cloudy | 95 | 10 | 50 | BLACK_TOP | -5 | 1.65 | 1.95 | 2.20 | 5.9 | 7.0 | 7.9 | 3.7 | 4.4 | 4.9 |
| Cloudy | 95 | 10 | 50 | BLACK_TOP | 0 | 1.80 | 2.05 | 2.35 | 6.5 | 7.4 | 8.5 | 4.0 | 4.6 | 5.3 |
| Cloudy | 95 | 10 | 50 | BLACK_TOP | 5 | 1.30 | 1.55 | 1.80 | 4.7 | 5.6 | 6.5 | 2.9 | 3.5 | 4.0 |
| Cloudy | 95 | 10 | 50 | BLACK_TOP | 10 | 0.95 | 1.20 | 1.45 | 3.4 | 4.3 | 5.2 | 2.1 | 2.7 | 3.2 |
| Cloudy | 95 | 10 | 50 | BLACK_TOP | 15 | 0.75 | 0.95 | 1.15 | 2.7 | 3.4 | 4.1 | 1.7 | 2.1 | 2.6 |
| Cloudy | 95 | 10 | 50 | BLACK_TOP | 20 | 0.60 | 0.75 | 0.95 | 2.2 | 2.7 | 3.4 | 1.3 | 1.7 | 2.1 |
| Cloudy | 95 | 10 | 50 | BLACK_TOP | 30 | 0.40 | 0.55 | 0.70 | 1.4 | 2.0 | 2.5 | 0.9 | 1.2 | 1.6 |
| Cloudy | 95 | 10 | 50 | BLACK_TOP | 40 | 0.30 | 0.40 | 0.55 | 1.1 | 1.4 | 2.0 | 0.7 | 0.9 | 1.2 |
| Cloudy | 95 | 10 | 50 | BLACK_TOP | 50 | 0.25 | 0.35 | 0.45 | 0.9 | 1.3 | 1.6 | 0.6 | 0.8 | 1.0 |
| Cloudy | 95 | 10 | 50 | DIRT_ROAD | -50 | 0.90 | 1.10 | 1.35 | 3.2 | 4.0 | 4.9 | 2.0 | 2.5 | 3.0 |
| Cloudy | 95 | 10 | 50 | DIRT_ROAD | -40 | 1.00 | 1.25 | 1.45 | 3.6 | 4.5 | 5.2 | 2.2 | 2.8 | 3.2 |
| Cloudy | 95 | 10 | 50 | DIRT_ROAD | -30 | 1.15 | 1.35 | 1.65 | 4.1 | 4.9 | 5.9 | 2.6 | 3.0 | 3.7 |
| Cloudy | 95 | 10 | 50 | DIRT_ROAD | -20 | 1.30 | 1.55 | 1.80 | 4.7 | 5.6 | 6.5 | 2.9 | 3.5 | 4.0 |
| Cloudy | 95 | 10 | 50 | DIRT_ROAD | -15 | 1.40 | 1.65 | 1.90 | 5.0 | 5.9 | 6.8 | 3.1 | 3.7 | 4.3 |
| Cloudy | 95 | 10 | 50 | DIRT_ROAD | -10 | 1.50 | 1.75 | 2.00 | 5.4 | 6.3 | 7.2 | 3.4 | 3.9 | 4.5 |
| Cloudy | 95 | 10 | 50 | DIRT_ROAD | -5 | 1.60 | 1.85 | 2.10 | 5.8 | 6.7 | 7.6 | 3.6 | 4.1 | 4.7 |
| Cloudy | 95 | 10 | 50 | DIRT_ROAD | 0 | 1.70 | 1.95 | 2.20 | 6.1 | 7.0 | 7.9 | 3.8 | 4.4 | 4.9 |
| Cloudy | 95 | 10 | 50 | DIRT_ROAD | 5 | 1.20 | 1.45 | 1.70 | 4.3 | 5.2 | 6.1 | 2.7 | 3.2 | 3.8 |
| Cloudy | 95 | 10 | 50 | DIRT_ROAD | 10 | 0.90 | 1.10 | 1.35 | 3.2 | 4.0 | 4.9 | 2.0 | 2.5 | 3.0 |
| Cloudy | 95 | 10 | 50 | DIRT_ROAD | 15 | 0.70 | 0.85 | 1.05 | 2.5 | 3.1 | 3.8 | 1.6 | 1.9 | 2.4 |
| Cloudy | 95 | 10 | 50 | DIRT_ROAD | 20 | 0.55 | 0.70 | 0.90 | 2.0 | 2.5 | 3.2 | 1.2 | 1.6 | 2.0 |
| Cloudy | 95 | 10 | 50 | DIRT_ROAD | 30 | 0.40 | 0.50 | 0.65 | 1.4 | 1.8 | 2.3 | 0.9 | 1.1 | 1.5 |
| Cloudy | 95 | 10 | 50 | DIRT_ROAD | 40 | 0.30 | 0.40 | 0.50 | 1.1 | 1.4 | 1.8 | 0.7 | 0.9 | 1.1 |
| Cloudy | 95 | 10 | 50 | DIRT_ROAD | 50 | 0.20 | 0.30 | 0.40 | 0.7 | 1.1 | 1.4 | 0.4 | 0.7 | 0.9 |
| Cloudy | 95 | 10 | 50 | LOOSE_SAND | -50 | 0.50 | 0.65 | 0.80 | 1.8 | 2.3 | 2.9 | 1.1 | 1.5 | 1.8 |
| Cloudy | 95 | 10 | 50 | LOOSE_SAND | -40 | 0.60 | 0.75 | 0.90 | 2.2 | 2.7 | 3.2 | 1.3 | 1.7 | 2.0 |
| Cloudy | 95 | 10 | 50 | LOOSE_SAND | -30 | 0.70 | 0.85 | 1.05 | 2.5 | 3.1 | 3.8 | 1.6 | 1.9 | 2.4 |
| Cloudy | 95 | 10 | 50 | LOOSE_SAND | -20 | 0.85 | 1.00 | 1.20 | 3.1 | 3.6 | 4.3 | 1.9 | 2.2 | 2.7 |
| Cloudy | 95 | 10 | 50 | LOOSE_SAND | -15 | 0.90 | 1.10 | 1.30 | 3.2 | 4.0 | 4.7 | 2.0 | 2.5 | 2.9 |
| Cloudy | 95 | 10 | 50 | LOOSE_SAND | -10 | 1.00 | 1.20 | 1.40 | 3.6 | 4.3 | 5.0 | 2.2 | 2.7 | 3.1 |
| Cloudy | 95 | 10 | 50 | LOOSE_SAND | -5 | 1.10 | 1.30 | 1.50 | 4.0 | 4.7 | 5.4 | 2.5 | 2.9 | 3.4 |
| Cloudy | 95 | 10 | 50 | LOOSE_SAND | 0 | 1.20 | 1.40 | 1.60 | 4.3 | 5.0 | 5.8 | 2.7 | 3.1 | 3.6 |
| Cloudy | 95 | 10 | 50 | LOOSE_SAND | 5 | 0.75 | 0.95 | 1.10 | 2.7 | 3.4 | 4.0 | 1.7 | 2.1 | 2.5 |
| Cloudy | 95 | 10 | 50 | LOOSE_SAND | 10 | 0.50 | 0.65 | 0.80 | 1.8 | 2.3 | 2.9 | 1.1 | 1.5 | 1.8 |
| Cloudy | 95 | 10 | 50 | LOOSE_SAND | 15 | 0.35 | 0.50 | 0.60 | 1.3 | 1.8 | 2.2 | 0.8 | 1.1 | 1.3 |
| Cloudy | 95 | 10 | 50 | LOOSE_SAND | 20 | 0.30 | 0.40 | 0.50 | 1.1 | 1.4 | 1.8 | 0.7 | 0.9 | 1.1 |
| Cloudy | 95 | 10 | 50 | LOOSE_SAND | 30 | 0.20 | 0.25 | 0.35 | 0.7 | 0.9 | 1.3 | 0.4 | 0.6 | 0.8 |
| Cloudy | 95 | 10 | 50 | LOOSE_SAND | 40 | 0.15 | 0.20 | 0.25 | 0.5 | 0.7 | 0.9 | 0.3 | 0.4 | 0.6 |
| Cloudy | 95 | 10 | 50 | LOOSE_SAND | 50 | 0.10 | 0.15 | 0.20 | 0.4 | 0.5 | 0.7 | 0.2 | 0.3 | 0.4 |

Table E-31. Maximum Sustainable Speed, Cloudy, 95% Humidity, 15°C (59°F)

| Cloud Cover | RH (%) | °C | °F | Terrain Type | Grade (%) | Max Sustainable Speed (meters/second) | | | Max Sustainable Speed (kilometers/hour) | | | Max Sustainable Speed (miles/hour) | | |
|-------------|--------|----|----|--------------|-----------|---------------------------------------|------|------|---|-----|------|------------------------------------|-----|------|
| | | | | | | Risk Level | | | Risk Level | | | Risk Level | | |
| | | | | | | Low | Mod | High | Low | Mod | High | Low | Mod | High |
| Cloudy | 95 | 15 | 59 | BLACK_TOP | -50 | 0.85 | 1.10 | 1.25 | 3.1 | 4.0 | 4.5 | 1.9 | 2.5 | 2.8 |
| Cloudy | 95 | 15 | 59 | BLACK_TOP | -40 | 1.00 | 1.20 | 1.40 | 3.6 | 4.3 | 5.0 | 2.2 | 2.7 | 3.1 |
| Cloudy | 95 | 15 | 59 | BLACK_TOP | -30 | 1.10 | 1.35 | 1.55 | 4.0 | 4.9 | 5.6 | 2.5 | 3.0 | 3.5 |
| Cloudy | 95 | 15 | 59 | BLACK_TOP | -20 | 1.25 | 1.55 | 1.70 | 4.5 | 5.6 | 6.1 | 2.8 | 3.5 | 3.8 |
| Cloudy | 95 | 15 | 59 | BLACK_TOP | -15 | 1.35 | 1.60 | 1.80 | 4.9 | 5.8 | 6.5 | 3.0 | 3.6 | 4.0 |
| Cloudy | 95 | 15 | 59 | BLACK_TOP | -10 | 1.45 | 1.70 | 1.90 | 5.2 | 6.1 | 6.8 | 3.2 | 3.8 | 4.3 |
| Cloudy | 95 | 15 | 59 | BLACK_TOP | -5 | 1.55 | 1.85 | 2.00 | 5.6 | 6.7 | 7.2 | 3.5 | 4.1 | 4.5 |
| Cloudy | 95 | 15 | 59 | BLACK_TOP | 0 | 1.65 | 1.95 | 2.10 | 5.9 | 7.0 | 7.6 | 3.7 | 4.4 | 4.7 |
| Cloudy | 95 | 15 | 59 | BLACK_TOP | 5 | 1.20 | 1.45 | 1.60 | 4.3 | 5.2 | 5.8 | 2.7 | 3.2 | 3.6 |
| Cloudy | 95 | 15 | 59 | BLACK_TOP | 10 | 0.85 | 1.10 | 1.25 | 3.1 | 4.0 | 4.5 | 1.9 | 2.5 | 2.8 |
| Cloudy | 95 | 15 | 59 | BLACK_TOP | 15 | 0.65 | 0.85 | 1.00 | 2.3 | 3.1 | 3.6 | 1.5 | 1.9 | 2.2 |
| Cloudy | 95 | 15 | 59 | BLACK_TOP | 20 | 0.55 | 0.70 | 0.80 | 2.0 | 2.5 | 2.9 | 1.2 | 1.6 | 1.8 |
| Cloudy | 95 | 15 | 59 | BLACK_TOP | 30 | 0.35 | 0.50 | 0.60 | 1.3 | 1.8 | 2.2 | 0.8 | 1.1 | 1.3 |
| Cloudy | 95 | 15 | 59 | BLACK_TOP | 40 | 0.25 | 0.35 | 0.45 | 0.9 | 1.3 | 1.6 | 0.6 | 0.8 | 1.0 |
| Cloudy | 95 | 15 | 59 | BLACK_TOP | 50 | 0.20 | 0.30 | 0.35 | 0.7 | 1.1 | 1.3 | 0.4 | 0.7 | 0.8 |
| Cloudy | 95 | 15 | 59 | DIRT_ROAD | -50 | 0.80 | 1.00 | 1.15 | 2.9 | 3.6 | 4.1 | 1.8 | 2.2 | 2.6 |
| Cloudy | 95 | 15 | 59 | DIRT_ROAD | -40 | 0.90 | 1.15 | 1.30 | 3.2 | 4.1 | 4.7 | 2.0 | 2.6 | 2.9 |
| Cloudy | 95 | 15 | 59 | DIRT_ROAD | -30 | 1.05 | 1.30 | 1.45 | 3.8 | 4.7 | 5.2 | 2.4 | 2.9 | 3.2 |
| Cloudy | 95 | 15 | 59 | DIRT_ROAD | -20 | 1.20 | 1.45 | 1.60 | 4.3 | 5.2 | 5.8 | 2.7 | 3.2 | 3.6 |
| Cloudy | 95 | 15 | 59 | DIRT_ROAD | -15 | 1.30 | 1.55 | 1.70 | 4.7 | 5.6 | 6.1 | 2.9 | 3.5 | 3.8 |
| Cloudy | 95 | 15 | 59 | DIRT_ROAD | -10 | 1.35 | 1.65 | 1.80 | 4.9 | 5.9 | 6.5 | 3.0 | 3.7 | 4.0 |
| Cloudy | 95 | 15 | 59 | DIRT_ROAD | -5 | 1.50 | 1.75 | 1.90 | 5.4 | 6.3 | 6.8 | 3.4 | 3.9 | 4.3 |
| Cloudy | 95 | 15 | 59 | DIRT_ROAD | 0 | 1.60 | 1.85 | 2.00 | 5.8 | 6.7 | 7.2 | 3.6 | 4.1 | 4.5 |
| Cloudy | 95 | 15 | 59 | DIRT_ROAD | 5 | 1.10 | 1.35 | 1.50 | 4.0 | 4.9 | 5.4 | 2.5 | 3.0 | 3.4 |
| Cloudy | 95 | 15 | 59 | DIRT_ROAD | 10 | 0.80 | 1.00 | 1.15 | 2.9 | 3.6 | 4.1 | 1.8 | 2.2 | 2.6 |
| Cloudy | 95 | 15 | 59 | DIRT_ROAD | 15 | 0.60 | 0.80 | 0.90 | 2.2 | 2.9 | 3.2 | 1.3 | 1.8 | 2.0 |
| Cloudy | 95 | 15 | 59 | DIRT_ROAD | 20 | 0.50 | 0.65 | 0.75 | 1.8 | 2.3 | 2.7 | 1.1 | 1.5 | 1.7 |
| Cloudy | 95 | 15 | 59 | DIRT_ROAD | 30 | 0.35 | 0.45 | 0.55 | 1.3 | 1.6 | 2.0 | 0.8 | 1.0 | 1.2 |
| Cloudy | 95 | 15 | 59 | DIRT_ROAD | 40 | 0.25 | 0.35 | 0.40 | 0.9 | 1.3 | 1.4 | 0.6 | 0.8 | 0.9 |
| Cloudy | 95 | 15 | 59 | DIRT_ROAD | 50 | 0.20 | 0.25 | 0.30 | 0.7 | 0.9 | 1.1 | 0.4 | 0.6 | 0.7 |
| Cloudy | 95 | 15 | 59 | LOOSE_SAND | -50 | 0.45 | 0.60 | 0.70 | 1.6 | 2.2 | 2.5 | 1.0 | 1.3 | 1.6 |
| Cloudy | 95 | 15 | 59 | LOOSE_SAND | -40 | 0.55 | 0.70 | 0.80 | 2.0 | 2.5 | 2.9 | 1.2 | 1.6 | 1.8 |
| Cloudy | 95 | 15 | 59 | LOOSE_SAND | -30 | 0.65 | 0.80 | 0.90 | 2.3 | 2.9 | 3.2 | 1.5 | 1.8 | 2.0 |
| Cloudy | 95 | 15 | 59 | LOOSE_SAND | -20 | 0.75 | 0.95 | 1.05 | 2.7 | 3.4 | 3.8 | 1.7 | 2.1 | 2.4 |
| Cloudy | 95 | 15 | 59 | LOOSE_SAND | -15 | 0.85 | 1.05 | 1.15 | 3.1 | 3.8 | 4.1 | 1.9 | 2.4 | 2.6 |
| Cloudy | 95 | 15 | 59 | LOOSE_SAND | -10 | 0.95 | 1.10 | 1.25 | 3.4 | 4.0 | 4.5 | 2.1 | 2.5 | 2.8 |
| Cloudy | 95 | 15 | 59 | LOOSE_SAND | -5 | 1.05 | 1.20 | 1.35 | 3.8 | 4.3 | 4.9 | 2.4 | 2.7 | 3.0 |
| Cloudy | 95 | 15 | 59 | LOOSE_SAND | 0 | 1.15 | 1.35 | 1.45 | 4.1 | 4.9 | 5.2 | 2.6 | 3.0 | 3.2 |
| Cloudy | 95 | 15 | 59 | LOOSE_SAND | 5 | 0.70 | 0.85 | 1.00 | 2.5 | 3.1 | 3.6 | 1.6 | 1.9 | 2.2 |
| Cloudy | 95 | 15 | 59 | LOOSE_SAND | 10 | 0.45 | 0.60 | 0.70 | 1.6 | 2.2 | 2.5 | 1.0 | 1.3 | 1.6 |
| Cloudy | 95 | 15 | 59 | LOOSE_SAND | 15 | 0.35 | 0.45 | 0.50 | 1.3 | 1.6 | 1.8 | 0.8 | 1.0 | 1.1 |
| Cloudy | 95 | 15 | 59 | LOOSE_SAND | 20 | 0.25 | 0.35 | 0.40 | 0.9 | 1.3 | 1.4 | 0.6 | 0.8 | 0.9 |
| Cloudy | 95 | 15 | 59 | LOOSE_SAND | 30 | 0.15 | 0.25 | 0.25 | 0.5 | 0.9 | 0.9 | 0.3 | 0.6 | 0.6 |
| Cloudy | 95 | 15 | 59 | LOOSE_SAND | 40 | 0.10 | 0.15 | 0.20 | 0.4 | 0.5 | 0.7 | 0.2 | 0.3 | 0.4 |
| Cloudy | 95 | 15 | 59 | LOOSE_SAND | 50 | 0.10 | 0.15 | 0.15 | 0.4 | 0.5 | 0.5 | 0.2 | 0.3 | 0.3 |

Table E-32. Maximum Sustainable Speed, Cloudy, 95% Humidity, 20°C (68°F)

| Cloud Cover | RH (%) | °C | °F | Terrain Type | Grade (%) | Max Sustainable Speed (meters/second) | | | Max Sustainable Speed (kilometers/hour) | | | Max Sustainable Speed (miles/hour) | | |
|-------------|--------|----|----|--------------|-----------|---------------------------------------|------|------|---|-----|------|------------------------------------|-----|------|
| | | | | | | Risk Level | | | Risk Level | | | Risk Level | | |
| | | | | | | Low | Mod | High | Low | Mod | High | Low | Mod | High |
| Cloudy | 95 | 20 | 68 | BLACK_TOP | -50 | 0.75 | 0.90 | 1.00 | 2.7 | 3.2 | 3.6 | 1.7 | 2.0 | 2.2 |
| Cloudy | 95 | 20 | 68 | BLACK_TOP | -40 | 0.85 | 1.00 | 1.15 | 3.1 | 3.6 | 4.1 | 1.9 | 2.2 | 2.6 |
| Cloudy | 95 | 20 | 68 | BLACK_TOP | -30 | 1.00 | 1.15 | 1.30 | 3.6 | 4.1 | 4.7 | 2.2 | 2.6 | 2.9 |
| Cloudy | 95 | 20 | 68 | BLACK_TOP | -20 | 1.15 | 1.30 | 1.45 | 4.1 | 4.7 | 5.2 | 2.6 | 2.9 | 3.2 |
| Cloudy | 95 | 20 | 68 | BLACK_TOP | -15 | 1.25 | 1.40 | 1.55 | 4.5 | 5.0 | 5.6 | 2.8 | 3.1 | 3.5 |
| Cloudy | 95 | 20 | 68 | BLACK_TOP | -10 | 1.35 | 1.50 | 1.65 | 4.9 | 5.4 | 5.9 | 3.0 | 3.4 | 3.7 |
| Cloudy | 95 | 20 | 68 | BLACK_TOP | -5 | 1.45 | 1.60 | 1.75 | 5.2 | 5.8 | 6.3 | 3.2 | 3.6 | 3.9 |
| Cloudy | 95 | 20 | 68 | BLACK_TOP | 0 | 1.55 | 1.70 | 1.85 | 5.6 | 6.1 | 6.7 | 3.5 | 3.8 | 4.1 |
| Cloudy | 95 | 20 | 68 | BLACK_TOP | 5 | 1.05 | 1.20 | 1.35 | 3.8 | 4.3 | 4.9 | 2.4 | 2.7 | 3.0 |
| Cloudy | 95 | 20 | 68 | BLACK_TOP | 10 | 0.75 | 0.90 | 1.00 | 2.7 | 3.2 | 3.6 | 1.7 | 2.0 | 2.2 |
| Cloudy | 95 | 20 | 68 | BLACK_TOP | 15 | 0.60 | 0.70 | 0.80 | 2.2 | 2.5 | 2.9 | 1.3 | 1.6 | 1.8 |
| Cloudy | 95 | 20 | 68 | BLACK_TOP | 20 | 0.45 | 0.55 | 0.65 | 1.6 | 2.0 | 2.3 | 1.0 | 1.2 | 1.5 |
| Cloudy | 95 | 20 | 68 | BLACK_TOP | 30 | 0.30 | 0.40 | 0.45 | 1.1 | 1.4 | 1.6 | 0.7 | 0.9 | 1.0 |
| Cloudy | 95 | 20 | 68 | BLACK_TOP | 40 | 0.25 | 0.30 | 0.35 | 0.9 | 1.1 | 1.3 | 0.6 | 0.7 | 0.8 |
| Cloudy | 95 | 20 | 68 | BLACK_TOP | 50 | 0.20 | 0.25 | 0.25 | 0.7 | 0.9 | 0.9 | 0.4 | 0.6 | 0.6 |
| Cloudy | 95 | 20 | 68 | DIRT_ROAD | -50 | 0.70 | 0.85 | 0.95 | 2.5 | 3.1 | 3.4 | 1.6 | 1.9 | 2.1 |
| Cloudy | 95 | 20 | 68 | DIRT_ROAD | -40 | 0.80 | 0.95 | 1.05 | 2.9 | 3.4 | 3.8 | 1.8 | 2.1 | 2.4 |
| Cloudy | 95 | 20 | 68 | DIRT_ROAD | -30 | 0.95 | 1.05 | 1.20 | 3.4 | 3.8 | 4.3 | 2.1 | 2.4 | 2.7 |
| Cloudy | 95 | 20 | 68 | DIRT_ROAD | -20 | 1.10 | 1.20 | 1.35 | 4.0 | 4.3 | 4.9 | 2.5 | 2.7 | 3.0 |
| Cloudy | 95 | 20 | 68 | DIRT_ROAD | -15 | 1.15 | 1.30 | 1.45 | 4.1 | 4.7 | 5.2 | 2.6 | 2.9 | 3.2 |
| Cloudy | 95 | 20 | 68 | DIRT_ROAD | -10 | 1.25 | 1.40 | 1.55 | 4.5 | 5.0 | 5.6 | 2.8 | 3.1 | 3.5 |
| Cloudy | 95 | 20 | 68 | DIRT_ROAD | -5 | 1.35 | 1.50 | 1.65 | 4.9 | 5.4 | 5.9 | 3.0 | 3.4 | 3.7 |
| Cloudy | 95 | 20 | 68 | DIRT_ROAD | 0 | 1.50 | 1.60 | 1.75 | 5.4 | 5.8 | 6.3 | 3.4 | 3.6 | 3.9 |
| Cloudy | 95 | 20 | 68 | DIRT_ROAD | 5 | 1.00 | 1.15 | 1.30 | 3.6 | 4.1 | 4.7 | 2.2 | 2.6 | 2.9 |
| Cloudy | 95 | 20 | 68 | DIRT_ROAD | 10 | 0.70 | 0.85 | 0.95 | 2.5 | 3.1 | 3.4 | 1.6 | 1.9 | 2.1 |
| Cloudy | 95 | 20 | 68 | DIRT_ROAD | 15 | 0.55 | 0.65 | 0.75 | 2.0 | 2.3 | 2.7 | 1.2 | 1.5 | 1.7 |
| Cloudy | 95 | 20 | 68 | DIRT_ROAD | 20 | 0.40 | 0.50 | 0.60 | 1.4 | 1.8 | 2.2 | 0.9 | 1.1 | 1.3 |
| Cloudy | 95 | 20 | 68 | DIRT_ROAD | 30 | 0.30 | 0.35 | 0.40 | 1.1 | 1.3 | 1.4 | 0.7 | 0.8 | 0.9 |
| Cloudy | 95 | 20 | 68 | DIRT_ROAD | 40 | 0.20 | 0.25 | 0.30 | 0.7 | 0.9 | 1.1 | 0.4 | 0.6 | 0.7 |
| Cloudy | 95 | 20 | 68 | DIRT_ROAD | 50 | 0.15 | 0.20 | 0.25 | 0.5 | 0.7 | 0.9 | 0.3 | 0.4 | 0.6 |
| Cloudy | 95 | 20 | 68 | LOOSE_SAND | -50 | 0.40 | 0.50 | 0.55 | 1.4 | 1.8 | 2.0 | 0.9 | 1.1 | 1.2 |
| Cloudy | 95 | 20 | 68 | LOOSE_SAND | -40 | 0.50 | 0.55 | 0.65 | 1.8 | 2.0 | 2.3 | 1.1 | 1.2 | 1.5 |
| Cloudy | 95 | 20 | 68 | LOOSE_SAND | -30 | 0.55 | 0.65 | 0.75 | 2.0 | 2.3 | 2.7 | 1.2 | 1.5 | 1.7 |
| Cloudy | 95 | 20 | 68 | LOOSE_SAND | -20 | 0.70 | 0.80 | 0.90 | 2.5 | 2.9 | 3.2 | 1.6 | 1.8 | 2.0 |
| Cloudy | 95 | 20 | 68 | LOOSE_SAND | -15 | 0.75 | 0.85 | 0.95 | 2.7 | 3.1 | 3.4 | 1.7 | 1.9 | 2.1 |
| Cloudy | 95 | 20 | 68 | LOOSE_SAND | -10 | 0.85 | 0.95 | 1.05 | 3.1 | 3.4 | 3.8 | 1.9 | 2.1 | 2.4 |
| Cloudy | 95 | 20 | 68 | LOOSE_SAND | -5 | 0.95 | 1.05 | 1.15 | 3.4 | 3.8 | 4.1 | 2.1 | 2.4 | 2.6 |
| Cloudy | 95 | 20 | 68 | LOOSE_SAND | 0 | 1.05 | 1.15 | 1.25 | 3.8 | 4.1 | 4.5 | 2.4 | 2.6 | 2.8 |
| Cloudy | 95 | 20 | 68 | LOOSE_SAND | 5 | 0.65 | 0.70 | 0.80 | 2.3 | 2.5 | 2.9 | 1.5 | 1.6 | 1.8 |
| Cloudy | 95 | 20 | 68 | LOOSE_SAND | 10 | 0.40 | 0.50 | 0.55 | 1.4 | 1.8 | 2.0 | 0.9 | 1.1 | 1.2 |
| Cloudy | 95 | 20 | 68 | LOOSE_SAND | 15 | 0.30 | 0.35 | 0.40 | 1.1 | 1.3 | 1.4 | 0.7 | 0.8 | 0.9 |
| Cloudy | 95 | 20 | 68 | LOOSE_SAND | 20 | 0.20 | 0.25 | 0.30 | 0.7 | 0.9 | 1.1 | 0.4 | 0.6 | 0.7 |
| Cloudy | 95 | 20 | 68 | LOOSE_SAND | 30 | 0.15 | 0.15 | 0.20 | 0.5 | 0.5 | 0.7 | 0.3 | 0.3 | 0.4 |
| Cloudy | 95 | 20 | 68 | LOOSE_SAND | 40 | 0.10 | 0.10 | 0.15 | 0.4 | 0.4 | 0.5 | 0.2 | 0.2 | 0.3 |
| Cloudy | 95 | 20 | 68 | LOOSE_SAND | 50 | 0.10 | 0.10 | 0.10 | 0.4 | 0.4 | 0.4 | 0.2 | 0.2 | 0.2 |

Table E-33. Maximum Sustainable Speed, Cloudy, 95% Humidity, 25°C (77°F)

| Cloud Cover | RH (%) | °C | °F | Terrain Type | Grade (%) | Max Sustainable Speed (meters/second) | | | Max Sustainable Speed (kilometers/hour) | | | Max Sustainable Speed (miles/hour) | | |
|-------------|--------|----|----|--------------|-----------|---------------------------------------|------|------|---|-----|------|------------------------------------|-----|------|
| | | | | | | Risk Level | | | Risk Level | | | Risk Level | | |
| | | | | | | Low | Mod | High | Low | Mod | High | Low | Mod | High |
| Cloudy | 95 | 25 | 77 | BLACK_TOP | -50 | 0.55 | 0.65 | 0.75 | 2.0 | 2.3 | 2.7 | 1.2 | 1.5 | 1.7 |
| Cloudy | 95 | 25 | 77 | BLACK_TOP | -40 | 0.65 | 0.70 | 0.85 | 2.3 | 2.5 | 3.1 | 1.5 | 1.6 | 1.9 |
| Cloudy | 95 | 25 | 77 | BLACK_TOP | -30 | 0.75 | 0.85 | 1.00 | 2.7 | 3.1 | 3.6 | 1.7 | 1.9 | 2.2 |
| Cloudy | 95 | 25 | 77 | BLACK_TOP | -20 | 0.90 | 1.00 | 1.15 | 3.2 | 3.6 | 4.1 | 2.0 | 2.2 | 2.6 |
| Cloudy | 95 | 25 | 77 | BLACK_TOP | -15 | 1.00 | 1.05 | 1.20 | 3.6 | 3.8 | 4.3 | 2.2 | 2.4 | 2.7 |
| Cloudy | 95 | 25 | 77 | BLACK_TOP | -10 | 1.10 | 1.15 | 1.30 | 4.0 | 4.1 | 4.7 | 2.5 | 2.6 | 2.9 |
| Cloudy | 95 | 25 | 77 | BLACK_TOP | -5 | 1.20 | 1.25 | 1.40 | 4.3 | 4.5 | 5.0 | 2.7 | 2.8 | 3.1 |
| Cloudy | 95 | 25 | 77 | BLACK_TOP | 0 | 1.30 | 1.40 | 1.55 | 4.7 | 5.0 | 5.6 | 2.9 | 3.1 | 3.5 |
| Cloudy | 95 | 25 | 77 | BLACK_TOP | 5 | 0.85 | 0.90 | 1.05 | 3.1 | 3.2 | 3.8 | 1.9 | 2.0 | 2.4 |
| Cloudy | 95 | 25 | 77 | BLACK_TOP | 10 | 0.55 | 0.65 | 0.75 | 2.0 | 2.3 | 2.7 | 1.2 | 1.5 | 1.7 |
| Cloudy | 95 | 25 | 77 | BLACK_TOP | 15 | 0.40 | 0.45 | 0.55 | 1.4 | 1.6 | 2.0 | 0.9 | 1.0 | 1.2 |
| Cloudy | 95 | 25 | 77 | BLACK_TOP | 20 | 0.30 | 0.35 | 0.45 | 1.1 | 1.3 | 1.6 | 0.7 | 0.8 | 1.0 |
| Cloudy | 95 | 25 | 77 | BLACK_TOP | 30 | 0.20 | 0.25 | 0.30 | 0.7 | 0.9 | 1.1 | 0.4 | 0.6 | 0.7 |
| Cloudy | 95 | 25 | 77 | BLACK_TOP | 40 | 0.15 | 0.20 | 0.25 | 0.5 | 0.7 | 0.9 | 0.3 | 0.4 | 0.6 |
| Cloudy | 95 | 25 | 77 | BLACK_TOP | 50 | 0.10 | 0.15 | 0.20 | 0.4 | 0.5 | 0.7 | 0.2 | 0.3 | 0.4 |
| Cloudy | 95 | 25 | 77 | DIRT_ROAD | -50 | 0.50 | 0.60 | 0.70 | 1.8 | 2.2 | 2.5 | 1.1 | 1.3 | 1.6 |
| Cloudy | 95 | 25 | 77 | DIRT_ROAD | -40 | 0.60 | 0.65 | 0.80 | 2.2 | 2.3 | 2.9 | 1.3 | 1.5 | 1.8 |
| Cloudy | 95 | 25 | 77 | DIRT_ROAD | -30 | 0.70 | 0.80 | 0.90 | 2.5 | 2.9 | 3.2 | 1.6 | 1.8 | 2.0 |
| Cloudy | 95 | 25 | 77 | DIRT_ROAD | -20 | 0.85 | 0.90 | 1.05 | 3.1 | 3.2 | 3.8 | 1.9 | 2.0 | 2.4 |
| Cloudy | 95 | 25 | 77 | DIRT_ROAD | -15 | 0.95 | 1.00 | 1.15 | 3.4 | 3.6 | 4.1 | 2.1 | 2.2 | 2.6 |
| Cloudy | 95 | 25 | 77 | DIRT_ROAD | -10 | 1.00 | 1.10 | 1.25 | 3.6 | 4.0 | 4.5 | 2.2 | 2.5 | 2.8 |
| Cloudy | 95 | 25 | 77 | DIRT_ROAD | -5 | 1.10 | 1.20 | 1.35 | 4.0 | 4.3 | 4.9 | 2.5 | 2.7 | 3.0 |
| Cloudy | 95 | 25 | 77 | DIRT_ROAD | 0 | 1.25 | 1.30 | 1.45 | 4.5 | 4.7 | 5.2 | 2.8 | 2.9 | 3.2 |
| Cloudy | 95 | 25 | 77 | DIRT_ROAD | 5 | 0.80 | 0.85 | 1.00 | 2.9 | 3.1 | 3.6 | 1.8 | 1.9 | 2.2 |
| Cloudy | 95 | 25 | 77 | DIRT_ROAD | 10 | 0.50 | 0.60 | 0.70 | 1.8 | 2.2 | 2.5 | 1.1 | 1.3 | 1.6 |
| Cloudy | 95 | 25 | 77 | DIRT_ROAD | 15 | 0.40 | 0.45 | 0.50 | 1.4 | 1.6 | 1.8 | 0.9 | 1.0 | 1.1 |
| Cloudy | 95 | 25 | 77 | DIRT_ROAD | 20 | 0.30 | 0.35 | 0.40 | 1.1 | 1.3 | 1.4 | 0.7 | 0.8 | 0.9 |
| Cloudy | 95 | 25 | 77 | DIRT_ROAD | 30 | 0.20 | 0.20 | 0.30 | 0.7 | 0.7 | 1.1 | 0.4 | 0.4 | 0.7 |
| Cloudy | 95 | 25 | 77 | DIRT_ROAD | 40 | 0.15 | 0.15 | 0.20 | 0.5 | 0.5 | 0.7 | 0.3 | 0.3 | 0.4 |
| Cloudy | 95 | 25 | 77 | DIRT_ROAD | 50 | 0.10 | 0.15 | 0.15 | 0.4 | 0.5 | 0.5 | 0.2 | 0.3 | 0.3 |
| Cloudy | 95 | 25 | 77 | LOOSE_SAND | -50 | 0.30 | 0.30 | 0.40 | 1.1 | 1.1 | 1.4 | 0.7 | 0.7 | 0.9 |
| Cloudy | 95 | 25 | 77 | LOOSE_SAND | -40 | 0.35 | 0.40 | 0.45 | 1.3 | 1.4 | 1.6 | 0.8 | 0.9 | 1.0 |
| Cloudy | 95 | 25 | 77 | LOOSE_SAND | -30 | 0.40 | 0.45 | 0.55 | 1.4 | 1.6 | 2.0 | 0.9 | 1.0 | 1.2 |
| Cloudy | 95 | 25 | 77 | LOOSE_SAND | -20 | 0.55 | 0.60 | 0.70 | 2.0 | 2.2 | 2.5 | 1.2 | 1.3 | 1.6 |
| Cloudy | 95 | 25 | 77 | LOOSE_SAND | -15 | 0.60 | 0.65 | 0.75 | 2.2 | 2.3 | 2.7 | 1.3 | 1.5 | 1.7 |
| Cloudy | 95 | 25 | 77 | LOOSE_SAND | -10 | 0.70 | 0.75 | 0.85 | 2.5 | 2.7 | 3.1 | 1.6 | 1.7 | 1.9 |
| Cloudy | 95 | 25 | 77 | LOOSE_SAND | -5 | 0.80 | 0.85 | 0.95 | 2.9 | 3.1 | 3.4 | 1.8 | 1.9 | 2.1 |
| Cloudy | 95 | 25 | 77 | LOOSE_SAND | 0 | 0.90 | 0.95 | 1.05 | 3.2 | 3.4 | 3.8 | 2.0 | 2.1 | 2.4 |
| Cloudy | 95 | 25 | 77 | LOOSE_SAND | 5 | 0.45 | 0.50 | 0.60 | 1.6 | 1.8 | 2.2 | 1.0 | 1.1 | 1.3 |
| Cloudy | 95 | 25 | 77 | LOOSE_SAND | 10 | 0.30 | 0.30 | 0.40 | 1.1 | 1.1 | 1.4 | 0.7 | 0.7 | 0.9 |
| Cloudy | 95 | 25 | 77 | LOOSE_SAND | 15 | 0.20 | 0.20 | 0.30 | 0.7 | 0.7 | 1.1 | 0.4 | 0.4 | 0.7 |
| Cloudy | 95 | 25 | 77 | LOOSE_SAND | 20 | 0.15 | 0.15 | 0.20 | 0.5 | 0.5 | 0.7 | 0.3 | 0.3 | 0.4 |
| Cloudy | 95 | 25 | 77 | LOOSE_SAND | 30 | 0.10 | 0.10 | 0.15 | 0.4 | 0.4 | 0.5 | 0.2 | 0.2 | 0.3 |
| Cloudy | 95 | 25 | 77 | LOOSE_SAND | 40 | 0.05 | 0.05 | 0.10 | 0.2 | 0.2 | 0.4 | 0.1 | 0.1 | 0.2 |
| Cloudy | 95 | 25 | 77 | LOOSE_SAND | 50 | 0.05 | 0.05 | 0.05 | 0.2 | 0.2 | 0.2 | 0.1 | 0.1 | 0.1 |

Table E-34. Maximum Sustainable Speed, Cloudy, 95% Humidity, 30°C (86°F)

| Cloud Cover | RH (%) | °C | °F | Terrain Type | Grade (%) | Max Sustainable Speed (meters/second) | | | Max Sustainable Speed (kilometers/hour) | | | Max Sustainable Speed (miles/hour) | | |
|-------------|--------|----|----|--------------|-----------|---------------------------------------|------|------|---|-----|------|------------------------------------|-----|------|
| | | | | | | Risk Level | | | Risk Level | | | Risk Level | | |
| | | | | | | Low | Mod | High | Low | Mod | High | Low | Mod | High |
| Cloudy | 95 | 30 | 86 | BLACK_TOP | -50 | 0.25 | 0.30 | 0.40 | 0.9 | 1.1 | 1.4 | 0.6 | 0.7 | 0.9 |
| Cloudy | 95 | 30 | 86 | BLACK_TOP | -40 | 0.30 | 0.35 | 0.50 | 1.1 | 1.3 | 1.8 | 0.7 | 0.8 | 1.1 |
| Cloudy | 95 | 30 | 86 | BLACK_TOP | -30 | 0.35 | 0.45 | 0.60 | 1.3 | 1.6 | 2.2 | 0.8 | 1.0 | 1.3 |
| Cloudy | 95 | 30 | 86 | BLACK_TOP | -20 | 0.45 | 0.55 | 0.70 | 1.6 | 2.0 | 2.5 | 1.0 | 1.2 | 1.6 |
| Cloudy | 95 | 30 | 86 | BLACK_TOP | -15 | 0.55 | 0.60 | 0.80 | 2.0 | 2.2 | 2.9 | 1.2 | 1.3 | 1.8 |
| Cloudy | 95 | 30 | 86 | BLACK_TOP | -10 | 0.60 | 0.70 | 0.85 | 2.2 | 2.5 | 3.1 | 1.3 | 1.6 | 1.9 |
| Cloudy | 95 | 30 | 86 | BLACK_TOP | -5 | 0.70 | 0.80 | 0.95 | 2.5 | 2.9 | 3.4 | 1.6 | 1.8 | 2.1 |
| Cloudy | 95 | 30 | 86 | BLACK_TOP | 0 | 0.80 | 0.90 | 1.10 | 2.9 | 3.2 | 4.0 | 1.8 | 2.0 | 2.5 |
| Cloudy | 95 | 30 | 86 | BLACK_TOP | 5 | 0.40 | 0.50 | 0.65 | 1.4 | 1.8 | 2.3 | 0.9 | 1.1 | 1.5 |
| Cloudy | 95 | 30 | 86 | BLACK_TOP | 10 | 0.25 | 0.30 | 0.40 | 0.9 | 1.1 | 1.4 | 0.6 | 0.7 | 0.9 |
| Cloudy | 95 | 30 | 86 | BLACK_TOP | 15 | 0.15 | 0.20 | 0.30 | 0.5 | 0.7 | 1.1 | 0.3 | 0.4 | 0.7 |
| Cloudy | 95 | 30 | 86 | BLACK_TOP | 20 | 0.10 | 0.15 | 0.20 | 0.4 | 0.5 | 0.7 | 0.2 | 0.3 | 0.4 |
| Cloudy | 95 | 30 | 86 | BLACK_TOP | 30 | 0.05 | 0.10 | 0.15 | 0.2 | 0.4 | 0.5 | 0.1 | 0.2 | 0.3 |
| Cloudy | 95 | 30 | 86 | BLACK_TOP | 40 | 0.05 | 0.05 | 0.10 | 0.2 | 0.2 | 0.4 | 0.1 | 0.1 | 0.2 |
| Cloudy | 95 | 30 | 86 | BLACK_TOP | 50 | 0.05 | 0.05 | 0.10 | 0.2 | 0.2 | 0.4 | 0.1 | 0.1 | 0.2 |
| Cloudy | 95 | 30 | 86 | DIRT_ROAD | -50 | 0.20 | 0.25 | 0.40 | 0.7 | 0.9 | 1.4 | 0.4 | 0.6 | 0.9 |
| Cloudy | 95 | 30 | 86 | DIRT_ROAD | -40 | 0.25 | 0.30 | 0.45 | 0.9 | 1.1 | 1.6 | 0.6 | 0.7 | 1.0 |
| Cloudy | 95 | 30 | 86 | DIRT_ROAD | -30 | 0.35 | 0.40 | 0.55 | 1.3 | 1.4 | 2.0 | 0.8 | 0.9 | 1.2 |
| Cloudy | 95 | 30 | 86 | DIRT_ROAD | -20 | 0.45 | 0.50 | 0.65 | 1.6 | 1.8 | 2.3 | 1.0 | 1.1 | 1.5 |
| Cloudy | 95 | 30 | 86 | DIRT_ROAD | -15 | 0.50 | 0.55 | 0.75 | 1.8 | 2.0 | 2.7 | 1.1 | 1.2 | 1.7 |
| Cloudy | 95 | 30 | 86 | DIRT_ROAD | -10 | 0.55 | 0.65 | 0.80 | 2.0 | 2.3 | 2.9 | 1.2 | 1.5 | 1.8 |
| Cloudy | 95 | 30 | 86 | DIRT_ROAD | -5 | 0.65 | 0.75 | 0.90 | 2.3 | 2.7 | 3.2 | 1.5 | 1.7 | 2.0 |
| Cloudy | 95 | 30 | 86 | DIRT_ROAD | 0 | 0.75 | 0.85 | 1.05 | 2.7 | 3.1 | 3.8 | 1.7 | 1.9 | 2.4 |
| Cloudy | 95 | 30 | 86 | DIRT_ROAD | 5 | 0.40 | 0.45 | 0.60 | 1.4 | 1.6 | 2.2 | 0.9 | 1.0 | 1.3 |
| Cloudy | 95 | 30 | 86 | DIRT_ROAD | 10 | 0.20 | 0.25 | 0.40 | 0.7 | 0.9 | 1.4 | 0.4 | 0.6 | 0.9 |
| Cloudy | 95 | 30 | 86 | DIRT_ROAD | 15 | 0.15 | 0.20 | 0.25 | 0.5 | 0.7 | 0.9 | 0.3 | 0.4 | 0.6 |
| Cloudy | 95 | 30 | 86 | DIRT_ROAD | 20 | 0.10 | 0.15 | 0.20 | 0.4 | 0.5 | 0.7 | 0.2 | 0.3 | 0.4 |
| Cloudy | 95 | 30 | 86 | DIRT_ROAD | 30 | 0.05 | 0.10 | 0.15 | 0.2 | 0.4 | 0.5 | 0.1 | 0.2 | 0.3 |
| Cloudy | 95 | 30 | 86 | DIRT_ROAD | 40 | 0.05 | 0.05 | 0.10 | 0.2 | 0.2 | 0.4 | 0.1 | 0.1 | 0.2 |
| Cloudy | 95 | 30 | 86 | DIRT_ROAD | 50 | 0.05 | 0.05 | 0.05 | 0.2 | 0.2 | 0.2 | 0.1 | 0.1 | 0.1 |
| Cloudy | 95 | 30 | 86 | LOOSE_SAND | -50 | 0.10 | 0.15 | 0.20 | 0.4 | 0.5 | 0.7 | 0.2 | 0.3 | 0.4 |
| Cloudy | 95 | 30 | 86 | LOOSE_SAND | -40 | 0.15 | 0.15 | 0.25 | 0.5 | 0.5 | 0.9 | 0.3 | 0.3 | 0.6 |
| Cloudy | 95 | 30 | 86 | LOOSE_SAND | -30 | 0.20 | 0.20 | 0.30 | 0.7 | 0.7 | 1.1 | 0.4 | 0.4 | 0.7 |
| Cloudy | 95 | 30 | 86 | LOOSE_SAND | -20 | 0.25 | 0.30 | 0.40 | 0.9 | 1.1 | 1.4 | 0.6 | 0.7 | 0.9 |
| Cloudy | 95 | 30 | 86 | LOOSE_SAND | -15 | 0.30 | 0.35 | 0.45 | 1.1 | 1.3 | 1.6 | 0.7 | 0.8 | 1.0 |
| Cloudy | 95 | 30 | 86 | LOOSE_SAND | -10 | 0.35 | 0.40 | 0.55 | 1.3 | 1.4 | 2.0 | 0.8 | 0.9 | 1.2 |
| Cloudy | 95 | 30 | 86 | LOOSE_SAND | -5 | 0.45 | 0.50 | 0.65 | 1.6 | 1.8 | 2.3 | 1.0 | 1.1 | 1.5 |
| Cloudy | 95 | 30 | 86 | LOOSE_SAND | 0 | 0.55 | 0.60 | 0.75 | 2.0 | 2.2 | 2.7 | 1.2 | 1.3 | 1.7 |
| Cloudy | 95 | 30 | 86 | LOOSE_SAND | 5 | 0.20 | 0.25 | 0.35 | 0.7 | 0.9 | 1.3 | 0.4 | 0.6 | 0.8 |
| Cloudy | 95 | 30 | 86 | LOOSE_SAND | 10 | 0.10 | 0.15 | 0.20 | 0.4 | 0.5 | 0.7 | 0.2 | 0.3 | 0.4 |
| Cloudy | 95 | 30 | 86 | LOOSE_SAND | 15 | 0.05 | 0.10 | 0.15 | 0.2 | 0.4 | 0.5 | 0.1 | 0.2 | 0.3 |
| Cloudy | 95 | 30 | 86 | LOOSE_SAND | 20 | 0.05 | 0.05 | 0.10 | 0.2 | 0.2 | 0.4 | 0.1 | 0.1 | 0.2 |
| Cloudy | 95 | 30 | 86 | LOOSE_SAND | 30 | 0.00 | 0.05 | 0.05 | 0.0 | 0.2 | 0.2 | 0.0 | 0.1 | 0.1 |
| Cloudy | 95 | 30 | 86 | LOOSE_SAND | 40 | 0.00 | 0.00 | 0.05 | 0.0 | 0.0 | 0.2 | 0.0 | 0.0 | 0.1 |
| Cloudy | 95 | 30 | 86 | LOOSE_SAND | 50 | 0.00 | 0.00 | 0.00 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

Table E-35. Maximum Sustainable Speed, Cloudy, 95% Humidity, 35°C (95°F)

| Cloud Cover | RH (%) | °C | °F | Terrain Type | Grade (%) | Max Sustainable Speed (meters/second) | | | Max Sustainable Speed (kilometers/hour) | | | Max Sustainable Speed (miles/hour) | | |
|-------------|--------|----|----|--------------|-----------|---------------------------------------|------|------|---|-----|------|------------------------------------|-----|------|
| | | | | | | Risk Level | | | Risk Level | | | Risk Level | | |
| | | | | | | Low | Mod | High | Low | Mod | High | Low | Mod | High |
| Cloudy | 95 | 35 | 95 | BLACK_TOP | -50 | 0.00 | 0.00 | 0.00 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Cloudy | 95 | 35 | 95 | BLACK_TOP | -40 | 0.00 | 0.00 | 0.00 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Cloudy | 95 | 35 | 95 | BLACK_TOP | -30 | 0.00 | 0.00 | 0.00 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Cloudy | 95 | 35 | 95 | BLACK_TOP | -20 | 0.00 | 0.00 | 0.00 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Cloudy | 95 | 35 | 95 | BLACK_TOP | -15 | 0.00 | 0.00 | 0.00 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Cloudy | 95 | 35 | 95 | BLACK_TOP | -10 | 0.00 | 0.00 | 0.00 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Cloudy | 95 | 35 | 95 | BLACK_TOP | -5 | 0.00 | 0.00 | 0.00 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Cloudy | 95 | 35 | 95 | BLACK_TOP | 0 | 0.00 | 0.00 | 0.00 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Cloudy | 95 | 35 | 95 | BLACK_TOP | 5 | 0.00 | 0.00 | 0.00 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Cloudy | 95 | 35 | 95 | BLACK_TOP | 10 | 0.00 | 0.00 | 0.00 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Cloudy | 95 | 35 | 95 | BLACK_TOP | 15 | 0.00 | 0.00 | 0.00 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Cloudy | 95 | 35 | 95 | BLACK_TOP | 20 | 0.00 | 0.00 | 0.00 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Cloudy | 95 | 35 | 95 | BLACK_TOP | 30 | 0.00 | 0.00 | 0.00 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Cloudy | 95 | 35 | 95 | BLACK_TOP | 40 | 0.00 | 0.00 | 0.00 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Cloudy | 95 | 35 | 95 | BLACK_TOP | 50 | 0.00 | 0.00 | 0.00 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Cloudy | 95 | 35 | 95 | DIRT_ROAD | -50 | 0.00 | 0.00 | 0.00 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Cloudy | 95 | 35 | 95 | DIRT_ROAD | -40 | 0.00 | 0.00 | 0.00 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Cloudy | 95 | 35 | 95 | DIRT_ROAD | -30 | 0.00 | 0.00 | 0.00 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Cloudy | 95 | 35 | 95 | DIRT_ROAD | -20 | 0.00 | 0.00 | 0.00 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Cloudy | 95 | 35 | 95 | DIRT_ROAD | -15 | 0.00 | 0.00 | 0.00 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Cloudy | 95 | 35 | 95 | DIRT_ROAD | -10 | 0.00 | 0.00 | 0.00 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Cloudy | 95 | 35 | 95 | DIRT_ROAD | -5 | 0.00 | 0.00 | 0.00 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Cloudy | 95 | 35 | 95 | DIRT_ROAD | 0 | 0.00 | 0.00 | 0.00 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Cloudy | 95 | 35 | 95 | DIRT_ROAD | 5 | 0.00 | 0.00 | 0.00 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Cloudy | 95 | 35 | 95 | DIRT_ROAD | 10 | 0.00 | 0.00 | 0.00 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Cloudy | 95 | 35 | 95 | DIRT_ROAD | 15 | 0.00 | 0.00 | 0.00 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Cloudy | 95 | 35 | 95 | DIRT_ROAD | 20 | 0.00 | 0.00 | 0.00 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Cloudy | 95 | 35 | 95 | DIRT_ROAD | 30 | 0.00 | 0.00 | 0.00 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Cloudy | 95 | 35 | 95 | DIRT_ROAD | 40 | 0.00 | 0.00 | 0.00 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Cloudy | 95 | 35 | 95 | DIRT_ROAD | 50 | 0.00 | 0.00 | 0.00 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Cloudy | 95 | 35 | 95 | LOOSE_SAND | -50 | 0.00 | 0.00 | 0.00 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Cloudy | 95 | 35 | 95 | LOOSE_SAND | -40 | 0.00 | 0.00 | 0.00 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Cloudy | 95 | 35 | 95 | LOOSE_SAND | -30 | 0.00 | 0.00 | 0.00 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Cloudy | 95 | 35 | 95 | LOOSE_SAND | -20 | 0.00 | 0.00 | 0.00 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Cloudy | 95 | 35 | 95 | LOOSE_SAND | -15 | 0.00 | 0.00 | 0.00 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Cloudy | 95 | 35 | 95 | LOOSE_SAND | -10 | 0.00 | 0.00 | 0.00 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Cloudy | 95 | 35 | 95 | LOOSE_SAND | -5 | 0.00 | 0.00 | 0.00 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Cloudy | 95 | 35 | 95 | LOOSE_SAND | 0 | 0.00 | 0.00 | 0.00 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Cloudy | 95 | 35 | 95 | LOOSE_SAND | 5 | 0.00 | 0.00 | 0.00 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Cloudy | 95 | 35 | 95 | LOOSE_SAND | 10 | 0.00 | 0.00 | 0.00 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Cloudy | 95 | 35 | 95 | LOOSE_SAND | 15 | 0.00 | 0.00 | 0.00 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Cloudy | 95 | 35 | 95 | LOOSE_SAND | 20 | 0.00 | 0.00 | 0.00 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Cloudy | 95 | 35 | 95 | LOOSE_SAND | 30 | 0.00 | 0.00 | 0.00 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Cloudy | 95 | 35 | 95 | LOOSE_SAND | 40 | 0.00 | 0.00 | 0.00 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Cloudy | 95 | 35 | 95 | LOOSE_SAND | 50 | 0.00 | 0.00 | 0.00 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

Appendix F

Maximum Sustainable Speed Tables, Night

Table F-1. Maximum Sustainable Speed, Night, 5% Humidity, 5°C (41°F)

| Cloud Cover | RH (%) | °C | °F | Terrain Type | Grade (%) | Max Sustainable Speed (meters/second) | | | Max Sustainable Speed (kilometers/hour) | | | Max Sustainable Speed (miles/hour) | | |
|-------------|--------|----|----|--------------|-----------|---------------------------------------|------|------|---|-----|------|------------------------------------|-----|------|
| | | | | | | Risk Level | | | Risk Level | | | Risk Level | | |
| | | | | | | Low | Mod | High | Low | Mod | High | Low | Mod | High |
| Night | 5 | 5 | 41 | BLACK_TOP | -50 | 1.10 | 1.35 | 1.60 | 4.0 | 4.9 | 5.8 | 2.5 | 3.0 | 3.6 |
| Night | 5 | 5 | 41 | BLACK_TOP | -40 | 1.20 | 1.50 | 1.75 | 4.3 | 5.4 | 6.3 | 2.7 | 3.4 | 3.9 |
| Night | 5 | 5 | 41 | BLACK_TOP | -30 | 1.35 | 1.65 | 1.90 | 4.9 | 5.9 | 6.8 | 3.0 | 3.7 | 4.3 |
| Night | 5 | 5 | 41 | BLACK_TOP | -20 | 1.50 | 1.80 | 2.10 | 5.4 | 6.5 | 7.6 | 3.4 | 4.0 | 4.7 |
| Night | 5 | 5 | 41 | BLACK_TOP | -15 | 1.60 | 1.90 | 2.20 | 5.8 | 6.8 | 7.9 | 3.6 | 4.3 | 4.9 |
| Night | 5 | 5 | 41 | BLACK_TOP | -10 | 1.70 | 2.00 | 2.30 | 6.1 | 7.2 | 8.3 | 3.8 | 4.5 | 5.2 |
| Night | 5 | 5 | 41 | BLACK_TOP | -5 | 1.80 | 2.10 | 2.40 | 6.5 | 7.6 | 8.6 | 4.0 | 4.7 | 5.4 |
| Night | 5 | 5 | 41 | BLACK_TOP | 0 | 1.90 | 2.25 | 2.50 | 6.8 | 8.1 | 9.0 | 4.3 | 5.0 | 5.6 |
| Night | 5 | 5 | 41 | BLACK_TOP | 5 | 1.40 | 1.70 | 2.00 | 5.0 | 6.1 | 7.2 | 3.1 | 3.8 | 4.5 |
| Night | 5 | 5 | 41 | BLACK_TOP | 10 | 1.10 | 1.35 | 1.60 | 4.0 | 4.9 | 5.8 | 2.5 | 3.0 | 3.6 |
| Night | 5 | 5 | 41 | BLACK_TOP | 15 | 0.85 | 1.10 | 1.30 | 3.1 | 4.0 | 4.7 | 1.9 | 2.5 | 2.9 |
| Night | 5 | 5 | 41 | BLACK_TOP | 20 | 0.70 | 0.90 | 1.10 | 2.5 | 3.2 | 4.0 | 1.6 | 2.0 | 2.5 |
| Night | 5 | 5 | 41 | BLACK_TOP | 30 | 0.50 | 0.65 | 0.80 | 1.8 | 2.3 | 2.9 | 1.1 | 1.5 | 1.8 |
| Night | 5 | 5 | 41 | BLACK_TOP | 40 | 0.35 | 0.50 | 0.65 | 1.3 | 1.8 | 2.3 | 0.8 | 1.1 | 1.5 |
| Night | 5 | 5 | 41 | BLACK_TOP | 50 | 0.30 | 0.40 | 0.50 | 1.1 | 1.4 | 1.8 | 0.7 | 0.9 | 1.1 |
| Night | 5 | 5 | 41 | DIRT_ROAD | -50 | 1.00 | 1.25 | 1.50 | 3.6 | 4.5 | 5.4 | 2.2 | 2.8 | 3.4 |
| Night | 5 | 5 | 41 | DIRT_ROAD | -40 | 1.10 | 1.40 | 1.65 | 4.0 | 5.0 | 5.9 | 2.5 | 3.1 | 3.7 |
| Night | 5 | 5 | 41 | DIRT_ROAD | -30 | 1.25 | 1.55 | 1.80 | 4.5 | 5.6 | 6.5 | 2.8 | 3.5 | 4.0 |
| Night | 5 | 5 | 41 | DIRT_ROAD | -20 | 1.40 | 1.70 | 2.00 | 5.0 | 6.1 | 7.2 | 3.1 | 3.8 | 4.5 |
| Night | 5 | 5 | 41 | DIRT_ROAD | -15 | 1.50 | 1.80 | 2.10 | 5.4 | 6.5 | 7.6 | 3.4 | 4.0 | 4.7 |
| Night | 5 | 5 | 41 | DIRT_ROAD | -10 | 1.60 | 1.90 | 2.20 | 5.8 | 6.8 | 7.9 | 3.6 | 4.3 | 4.9 |
| Night | 5 | 5 | 41 | DIRT_ROAD | -5 | 1.70 | 2.00 | 2.30 | 6.1 | 7.2 | 8.3 | 3.8 | 4.5 | 5.2 |
| Night | 5 | 5 | 41 | DIRT_ROAD | 0 | 1.85 | 2.15 | 2.40 | 6.7 | 7.7 | 8.6 | 4.1 | 4.8 | 5.4 |
| Night | 5 | 5 | 41 | DIRT_ROAD | 5 | 1.35 | 1.60 | 1.90 | 4.9 | 5.8 | 6.8 | 3.0 | 3.6 | 4.3 |
| Night | 5 | 5 | 41 | DIRT_ROAD | 10 | 1.00 | 1.25 | 1.50 | 3.6 | 4.5 | 5.4 | 2.2 | 2.8 | 3.4 |
| Night | 5 | 5 | 41 | DIRT_ROAD | 15 | 0.75 | 1.00 | 1.20 | 2.7 | 3.6 | 4.3 | 1.7 | 2.2 | 2.7 |
| Night | 5 | 5 | 41 | DIRT_ROAD | 20 | 0.60 | 0.80 | 1.00 | 2.2 | 2.9 | 3.6 | 1.3 | 1.8 | 2.2 |
| Night | 5 | 5 | 41 | DIRT_ROAD | 30 | 0.45 | 0.60 | 0.75 | 1.6 | 2.2 | 2.7 | 1.0 | 1.3 | 1.7 |
| Night | 5 | 5 | 41 | DIRT_ROAD | 40 | 0.35 | 0.45 | 0.55 | 1.3 | 1.6 | 2.0 | 0.8 | 1.0 | 1.2 |
| Night | 5 | 5 | 41 | DIRT_ROAD | 50 | 0.25 | 0.35 | 0.45 | 0.9 | 1.3 | 1.6 | 0.6 | 0.8 | 1.0 |
| Night | 5 | 5 | 41 | LOOSE_SAND | -50 | 0.60 | 0.75 | 0.90 | 2.2 | 2.7 | 3.2 | 1.3 | 1.7 | 2.0 |
| Night | 5 | 5 | 41 | LOOSE_SAND | -40 | 0.70 | 0.85 | 1.05 | 2.5 | 3.1 | 3.8 | 1.6 | 1.9 | 2.4 |
| Night | 5 | 5 | 41 | LOOSE_SAND | -30 | 0.80 | 1.00 | 1.15 | 2.9 | 3.6 | 4.1 | 1.8 | 2.2 | 2.6 |
| Night | 5 | 5 | 41 | LOOSE_SAND | -20 | 0.95 | 1.15 | 1.35 | 3.4 | 4.1 | 4.9 | 2.1 | 2.6 | 3.0 |
| Night | 5 | 5 | 41 | LOOSE_SAND | -15 | 1.00 | 1.20 | 1.40 | 3.6 | 4.3 | 5.0 | 2.2 | 2.7 | 3.1 |
| Night | 5 | 5 | 41 | LOOSE_SAND | -10 | 1.10 | 1.30 | 1.50 | 4.0 | 4.7 | 5.4 | 2.5 | 2.9 | 3.4 |
| Night | 5 | 5 | 41 | LOOSE_SAND | -5 | 1.20 | 1.40 | 1.60 | 4.3 | 5.0 | 5.8 | 2.7 | 3.1 | 3.6 |
| Night | 5 | 5 | 41 | LOOSE_SAND | 0 | 1.30 | 1.55 | 1.75 | 4.7 | 5.6 | 6.3 | 2.9 | 3.5 | 3.9 |
| Night | 5 | 5 | 41 | LOOSE_SAND | 5 | 0.85 | 1.05 | 1.25 | 3.1 | 3.8 | 4.5 | 1.9 | 2.4 | 2.8 |
| Night | 5 | 5 | 41 | LOOSE_SAND | 10 | 0.60 | 0.75 | 0.90 | 2.2 | 2.7 | 3.2 | 1.3 | 1.7 | 2.0 |
| Night | 5 | 5 | 41 | LOOSE_SAND | 15 | 0.45 | 0.55 | 0.70 | 1.6 | 2.0 | 2.5 | 1.0 | 1.2 | 1.6 |
| Night | 5 | 5 | 41 | LOOSE_SAND | 20 | 0.35 | 0.45 | 0.55 | 1.3 | 1.6 | 2.0 | 0.8 | 1.0 | 1.2 |
| Night | 5 | 5 | 41 | LOOSE_SAND | 30 | 0.20 | 0.30 | 0.40 | 0.7 | 1.1 | 1.4 | 0.4 | 0.7 | 0.9 |
| Night | 5 | 5 | 41 | LOOSE_SAND | 40 | 0.15 | 0.25 | 0.30 | 0.5 | 0.9 | 1.1 | 0.3 | 0.6 | 0.7 |
| Night | 5 | 5 | 41 | LOOSE_SAND | 50 | 0.15 | 0.20 | 0.25 | 0.5 | 0.7 | 0.9 | 0.3 | 0.4 | 0.6 |

Table F-2. Maximum Sustainable Speed, Night, 5% Humidity, 10°C (50°F)

| Cloud Cover | RH (%) | °C | °F | Terrain Type | Grade (%) | Max Sustainable Speed (meters/second) | | | Max Sustainable Speed (kilometers/hour) | | | Max Sustainable Speed (miles/hour) | | |
|-------------|--------|----|----|--------------|-----------|---------------------------------------|------|------|---|-----|------|------------------------------------|-----|------|
| | | | | | | Risk Level | | | Risk Level | | | Risk Level | | |
| | | | | | | Low | Mod | High | Low | Mod | High | Low | Mod | High |
| Night | 5 | 10 | 50 | BLACK_TOP | -50 | 1.05 | 1.25 | 1.60 | 3.8 | 4.5 | 5.8 | 2.4 | 2.8 | 3.6 |
| Night | 5 | 10 | 50 | BLACK_TOP | -40 | 1.15 | 1.40 | 1.75 | 4.1 | 5.0 | 6.3 | 2.6 | 3.1 | 3.9 |
| Night | 5 | 10 | 50 | BLACK_TOP | -30 | 1.30 | 1.55 | 1.90 | 4.7 | 5.6 | 6.8 | 2.9 | 3.5 | 4.3 |
| Night | 5 | 10 | 50 | BLACK_TOP | -20 | 1.45 | 1.75 | 2.10 | 5.2 | 6.3 | 7.6 | 3.2 | 3.9 | 4.7 |
| Night | 5 | 10 | 50 | BLACK_TOP | -15 | 1.55 | 1.80 | 2.20 | 5.6 | 6.5 | 7.9 | 3.5 | 4.0 | 4.9 |
| Night | 5 | 10 | 50 | BLACK_TOP | -10 | 1.65 | 1.95 | 2.30 | 5.9 | 7.0 | 8.3 | 3.7 | 4.4 | 5.2 |
| Night | 5 | 10 | 50 | BLACK_TOP | -5 | 1.75 | 2.05 | 2.40 | 6.3 | 7.4 | 8.6 | 3.9 | 4.6 | 5.4 |
| Night | 5 | 10 | 50 | BLACK_TOP | 0 | 1.85 | 2.15 | 2.50 | 6.7 | 7.7 | 9.0 | 4.1 | 4.8 | 5.6 |
| Night | 5 | 10 | 50 | BLACK_TOP | 5 | 1.40 | 1.65 | 2.00 | 5.0 | 5.9 | 7.2 | 3.1 | 3.7 | 4.5 |
| Night | 5 | 10 | 50 | BLACK_TOP | 10 | 1.05 | 1.25 | 1.60 | 3.8 | 4.5 | 5.8 | 2.4 | 2.8 | 3.6 |
| Night | 5 | 10 | 50 | BLACK_TOP | 15 | 0.80 | 1.00 | 1.30 | 2.9 | 3.6 | 4.7 | 1.8 | 2.2 | 2.9 |
| Night | 5 | 10 | 50 | BLACK_TOP | 20 | 0.65 | 0.85 | 1.10 | 2.3 | 3.1 | 4.0 | 1.5 | 1.9 | 2.5 |
| Night | 5 | 10 | 50 | BLACK_TOP | 30 | 0.45 | 0.60 | 0.80 | 1.6 | 2.2 | 2.9 | 1.0 | 1.3 | 1.8 |
| Night | 5 | 10 | 50 | BLACK_TOP | 40 | 0.35 | 0.45 | 0.65 | 1.3 | 1.6 | 2.3 | 0.8 | 1.0 | 1.5 |
| Night | 5 | 10 | 50 | BLACK_TOP | 50 | 0.30 | 0.35 | 0.50 | 1.1 | 1.3 | 1.8 | 0.7 | 0.8 | 1.1 |
| Night | 5 | 10 | 50 | DIRT_ROAD | -50 | 0.95 | 1.20 | 1.50 | 3.4 | 4.3 | 5.4 | 2.1 | 2.7 | 3.4 |
| Night | 5 | 10 | 50 | DIRT_ROAD | -40 | 1.10 | 1.30 | 1.65 | 4.0 | 4.7 | 5.9 | 2.5 | 2.9 | 3.7 |
| Night | 5 | 10 | 50 | DIRT_ROAD | -30 | 1.20 | 1.45 | 1.80 | 4.3 | 5.2 | 6.5 | 2.7 | 3.2 | 4.0 |
| Night | 5 | 10 | 50 | DIRT_ROAD | -20 | 1.40 | 1.65 | 2.00 | 5.0 | 5.9 | 7.2 | 3.1 | 3.7 | 4.5 |
| Night | 5 | 10 | 50 | DIRT_ROAD | -15 | 1.45 | 1.70 | 2.10 | 5.2 | 6.1 | 7.6 | 3.2 | 3.8 | 4.7 |
| Night | 5 | 10 | 50 | DIRT_ROAD | -10 | 1.55 | 1.80 | 2.20 | 5.6 | 6.5 | 7.9 | 3.5 | 4.0 | 4.9 |
| Night | 5 | 10 | 50 | DIRT_ROAD | -5 | 1.65 | 1.95 | 2.30 | 5.9 | 7.0 | 8.3 | 3.7 | 4.4 | 5.2 |
| Night | 5 | 10 | 50 | DIRT_ROAD | 0 | 1.80 | 2.05 | 2.40 | 6.5 | 7.4 | 8.6 | 4.0 | 4.6 | 5.4 |
| Night | 5 | 10 | 50 | DIRT_ROAD | 5 | 1.30 | 1.55 | 1.90 | 4.7 | 5.6 | 6.8 | 2.9 | 3.5 | 4.3 |
| Night | 5 | 10 | 50 | DIRT_ROAD | 10 | 0.95 | 1.20 | 1.50 | 3.4 | 4.3 | 5.4 | 2.1 | 2.7 | 3.4 |
| Night | 5 | 10 | 50 | DIRT_ROAD | 15 | 0.75 | 0.95 | 1.20 | 2.7 | 3.4 | 4.3 | 1.7 | 2.1 | 2.7 |
| Night | 5 | 10 | 50 | DIRT_ROAD | 20 | 0.60 | 0.75 | 1.00 | 2.2 | 2.7 | 3.6 | 1.3 | 1.7 | 2.2 |
| Night | 5 | 10 | 50 | DIRT_ROAD | 30 | 0.40 | 0.55 | 0.75 | 1.4 | 2.0 | 2.7 | 0.9 | 1.2 | 1.7 |
| Night | 5 | 10 | 50 | DIRT_ROAD | 40 | 0.30 | 0.40 | 0.55 | 1.1 | 1.4 | 2.0 | 0.7 | 0.9 | 1.2 |
| Night | 5 | 10 | 50 | DIRT_ROAD | 50 | 0.25 | 0.35 | 0.45 | 0.9 | 1.3 | 1.6 | 0.6 | 0.8 | 1.0 |
| Night | 5 | 10 | 50 | LOOSE_SAND | -50 | 0.55 | 0.70 | 0.90 | 2.0 | 2.5 | 3.2 | 1.2 | 1.6 | 2.0 |
| Night | 5 | 10 | 50 | LOOSE_SAND | -40 | 0.65 | 0.80 | 1.05 | 2.3 | 2.9 | 3.8 | 1.5 | 1.8 | 2.4 |
| Night | 5 | 10 | 50 | LOOSE_SAND | -30 | 0.75 | 0.95 | 1.15 | 2.7 | 3.4 | 4.1 | 1.7 | 2.1 | 2.6 |
| Night | 5 | 10 | 50 | LOOSE_SAND | -20 | 0.90 | 1.10 | 1.35 | 3.2 | 4.0 | 4.9 | 2.0 | 2.5 | 3.0 |
| Night | 5 | 10 | 50 | LOOSE_SAND | -15 | 1.00 | 1.15 | 1.40 | 3.6 | 4.1 | 5.0 | 2.2 | 2.6 | 3.1 |
| Night | 5 | 10 | 50 | LOOSE_SAND | -10 | 1.05 | 1.25 | 1.50 | 3.8 | 4.5 | 5.4 | 2.4 | 2.8 | 3.4 |
| Night | 5 | 10 | 50 | LOOSE_SAND | -5 | 1.15 | 1.35 | 1.60 | 4.1 | 4.9 | 5.8 | 2.6 | 3.0 | 3.6 |
| Night | 5 | 10 | 50 | LOOSE_SAND | 0 | 1.30 | 1.45 | 1.75 | 4.7 | 5.2 | 6.3 | 2.9 | 3.2 | 3.9 |
| Night | 5 | 10 | 50 | LOOSE_SAND | 5 | 0.85 | 1.00 | 1.25 | 3.1 | 3.6 | 4.5 | 1.9 | 2.2 | 2.8 |
| Night | 5 | 10 | 50 | LOOSE_SAND | 10 | 0.55 | 0.70 | 0.90 | 2.0 | 2.5 | 3.2 | 1.2 | 1.6 | 2.0 |
| Night | 5 | 10 | 50 | LOOSE_SAND | 15 | 0.40 | 0.55 | 0.70 | 1.4 | 2.0 | 2.5 | 0.9 | 1.2 | 1.6 |
| Night | 5 | 10 | 50 | LOOSE_SAND | 20 | 0.30 | 0.40 | 0.55 | 1.1 | 1.4 | 2.0 | 0.7 | 0.9 | 1.2 |
| Night | 5 | 10 | 50 | LOOSE_SAND | 30 | 0.20 | 0.30 | 0.40 | 0.7 | 1.1 | 1.4 | 0.4 | 0.7 | 0.9 |
| Night | 5 | 10 | 50 | LOOSE_SAND | 40 | 0.15 | 0.20 | 0.30 | 0.5 | 0.7 | 1.1 | 0.3 | 0.4 | 0.7 |
| Night | 5 | 10 | 50 | LOOSE_SAND | 50 | 0.10 | 0.15 | 0.25 | 0.4 | 0.5 | 0.9 | 0.2 | 0.3 | 0.6 |

Table F-3. Maximum Sustainable Speed, Night, 5% Humidity, 15°C (59°F)

| Cloud Cover | RH (%) | °C | °F | Terrain Type | Grade (%) | Max Sustainable Speed (meters/second) | | | Max Sustainable Speed (kilometers/hour) | | | Max Sustainable Speed (miles/hour) | | |
|-------------|--------|----|----|--------------|-----------|---------------------------------------|------|------|---|-----|------|------------------------------------|-----|------|
| | | | | | | Risk Level | | | Risk Level | | | Risk Level | | |
| | | | | | | Low | Mod | High | Low | Mod | High | Low | Mod | High |
| Night | 5 | 15 | 59 | BLACK_TOP | -50 | 0.95 | 1.20 | 1.60 | 3.4 | 4.3 | 5.8 | 2.1 | 2.7 | 3.6 |
| Night | 5 | 15 | 59 | BLACK_TOP | -40 | 1.10 | 1.30 | 1.75 | 4.0 | 4.7 | 6.3 | 2.5 | 2.9 | 3.9 |
| Night | 5 | 15 | 59 | BLACK_TOP | -30 | 1.20 | 1.45 | 1.90 | 4.3 | 5.2 | 6.8 | 2.7 | 3.2 | 4.3 |
| Night | 5 | 15 | 59 | BLACK_TOP | -20 | 1.40 | 1.65 | 2.10 | 5.0 | 5.9 | 7.6 | 3.1 | 3.7 | 4.7 |
| Night | 5 | 15 | 59 | BLACK_TOP | -15 | 1.45 | 1.75 | 2.20 | 5.2 | 6.3 | 7.9 | 3.2 | 3.9 | 4.9 |
| Night | 5 | 15 | 59 | BLACK_TOP | -10 | 1.55 | 1.85 | 2.30 | 5.6 | 6.7 | 8.3 | 3.5 | 4.1 | 5.2 |
| Night | 5 | 15 | 59 | BLACK_TOP | -5 | 1.65 | 1.95 | 2.40 | 5.9 | 7.0 | 8.6 | 3.7 | 4.4 | 5.4 |
| Night | 5 | 15 | 59 | BLACK_TOP | 0 | 1.80 | 2.05 | 2.50 | 6.5 | 7.4 | 9.0 | 4.0 | 4.6 | 5.6 |
| Night | 5 | 15 | 59 | BLACK_TOP | 5 | 1.30 | 1.55 | 2.00 | 4.7 | 5.6 | 7.2 | 2.9 | 3.5 | 4.5 |
| Night | 5 | 15 | 59 | BLACK_TOP | 10 | 0.95 | 1.20 | 1.60 | 3.4 | 4.3 | 5.8 | 2.1 | 2.7 | 3.6 |
| Night | 5 | 15 | 59 | BLACK_TOP | 15 | 0.75 | 0.95 | 1.30 | 2.7 | 3.4 | 4.7 | 1.7 | 2.1 | 2.9 |
| Night | 5 | 15 | 59 | BLACK_TOP | 20 | 0.60 | 0.75 | 1.10 | 2.2 | 2.7 | 4.0 | 1.3 | 1.7 | 2.5 |
| Night | 5 | 15 | 59 | BLACK_TOP | 30 | 0.40 | 0.55 | 0.80 | 1.4 | 2.0 | 2.9 | 0.9 | 1.2 | 1.8 |
| Night | 5 | 15 | 59 | BLACK_TOP | 40 | 0.30 | 0.40 | 0.65 | 1.1 | 1.4 | 2.3 | 0.7 | 0.9 | 1.5 |
| Night | 5 | 15 | 59 | BLACK_TOP | 50 | 0.25 | 0.35 | 0.50 | 0.9 | 1.3 | 1.8 | 0.6 | 0.8 | 1.1 |
| Night | 5 | 15 | 59 | DIRT_ROAD | -50 | 0.90 | 1.10 | 1.50 | 3.2 | 4.0 | 5.4 | 2.0 | 2.5 | 3.4 |
| Night | 5 | 15 | 59 | DIRT_ROAD | -40 | 1.00 | 1.25 | 1.65 | 3.6 | 4.5 | 5.9 | 2.2 | 2.8 | 3.7 |
| Night | 5 | 15 | 59 | DIRT_ROAD | -30 | 1.15 | 1.40 | 1.80 | 4.1 | 5.0 | 6.5 | 2.6 | 3.1 | 4.0 |
| Night | 5 | 15 | 59 | DIRT_ROAD | -20 | 1.30 | 1.55 | 2.00 | 4.7 | 5.6 | 7.2 | 2.9 | 3.5 | 4.5 |
| Night | 5 | 15 | 59 | DIRT_ROAD | -15 | 1.40 | 1.65 | 2.10 | 5.0 | 5.9 | 7.6 | 3.1 | 3.7 | 4.7 |
| Night | 5 | 15 | 59 | DIRT_ROAD | -10 | 1.50 | 1.75 | 2.20 | 5.4 | 6.3 | 7.9 | 3.4 | 3.9 | 4.9 |
| Night | 5 | 15 | 59 | DIRT_ROAD | -5 | 1.60 | 1.85 | 2.30 | 5.8 | 6.7 | 8.3 | 3.6 | 4.1 | 5.2 |
| Night | 5 | 15 | 59 | DIRT_ROAD | 0 | 1.70 | 1.95 | 2.40 | 6.1 | 7.0 | 8.6 | 3.8 | 4.4 | 5.4 |
| Night | 5 | 15 | 59 | DIRT_ROAD | 5 | 1.20 | 1.45 | 1.90 | 4.3 | 5.2 | 6.8 | 2.7 | 3.2 | 4.3 |
| Night | 5 | 15 | 59 | DIRT_ROAD | 10 | 0.90 | 1.10 | 1.50 | 3.2 | 4.0 | 5.4 | 2.0 | 2.5 | 3.4 |
| Night | 5 | 15 | 59 | DIRT_ROAD | 15 | 0.70 | 0.85 | 1.20 | 2.5 | 3.1 | 4.3 | 1.6 | 1.9 | 2.7 |
| Night | 5 | 15 | 59 | DIRT_ROAD | 20 | 0.55 | 0.70 | 1.00 | 2.0 | 2.5 | 3.6 | 1.2 | 1.6 | 2.2 |
| Night | 5 | 15 | 59 | DIRT_ROAD | 30 | 0.40 | 0.50 | 0.75 | 1.4 | 1.8 | 2.7 | 0.9 | 1.1 | 1.7 |
| Night | 5 | 15 | 59 | DIRT_ROAD | 40 | 0.30 | 0.40 | 0.55 | 1.1 | 1.4 | 2.0 | 0.7 | 0.9 | 1.2 |
| Night | 5 | 15 | 59 | DIRT_ROAD | 50 | 0.20 | 0.30 | 0.45 | 0.7 | 1.1 | 1.6 | 0.4 | 0.7 | 1.0 |
| Night | 5 | 15 | 59 | LOOSE_SAND | -50 | 0.50 | 0.65 | 0.90 | 1.8 | 2.3 | 3.2 | 1.1 | 1.5 | 2.0 |
| Night | 5 | 15 | 59 | LOOSE_SAND | -40 | 0.60 | 0.75 | 1.05 | 2.2 | 2.7 | 3.8 | 1.3 | 1.7 | 2.4 |
| Night | 5 | 15 | 59 | LOOSE_SAND | -30 | 0.70 | 0.85 | 1.15 | 2.5 | 3.1 | 4.1 | 1.6 | 1.9 | 2.6 |
| Night | 5 | 15 | 59 | LOOSE_SAND | -20 | 0.85 | 1.00 | 1.35 | 3.1 | 3.6 | 4.9 | 1.9 | 2.2 | 3.0 |
| Night | 5 | 15 | 59 | LOOSE_SAND | -15 | 0.90 | 1.10 | 1.40 | 3.2 | 4.0 | 5.0 | 2.0 | 2.5 | 3.1 |
| Night | 5 | 15 | 59 | LOOSE_SAND | -10 | 1.00 | 1.20 | 1.50 | 3.6 | 4.3 | 5.4 | 2.2 | 2.7 | 3.4 |
| Night | 5 | 15 | 59 | LOOSE_SAND | -5 | 1.10 | 1.30 | 1.60 | 4.0 | 4.7 | 5.8 | 2.5 | 2.9 | 3.6 |
| Night | 5 | 15 | 59 | LOOSE_SAND | 0 | 1.20 | 1.40 | 1.75 | 4.3 | 5.0 | 6.3 | 2.7 | 3.1 | 3.9 |
| Night | 5 | 15 | 59 | LOOSE_SAND | 5 | 0.75 | 0.95 | 1.25 | 2.7 | 3.4 | 4.5 | 1.7 | 2.1 | 2.8 |
| Night | 5 | 15 | 59 | LOOSE_SAND | 10 | 0.50 | 0.65 | 0.90 | 1.8 | 2.3 | 3.2 | 1.1 | 1.5 | 2.0 |
| Night | 5 | 15 | 59 | LOOSE_SAND | 15 | 0.35 | 0.50 | 0.70 | 1.3 | 1.8 | 2.5 | 0.8 | 1.1 | 1.6 |
| Night | 5 | 15 | 59 | LOOSE_SAND | 20 | 0.30 | 0.40 | 0.55 | 1.1 | 1.4 | 2.0 | 0.7 | 0.9 | 1.2 |
| Night | 5 | 15 | 59 | LOOSE_SAND | 30 | 0.20 | 0.25 | 0.40 | 0.7 | 0.9 | 1.4 | 0.4 | 0.6 | 0.9 |
| Night | 5 | 15 | 59 | LOOSE_SAND | 40 | 0.15 | 0.20 | 0.30 | 0.5 | 0.7 | 1.1 | 0.3 | 0.4 | 0.7 |
| Night | 5 | 15 | 59 | LOOSE_SAND | 50 | 0.10 | 0.15 | 0.25 | 0.4 | 0.5 | 0.9 | 0.2 | 0.3 | 0.6 |

Table F-4. Maximum Sustainable Speed, Night, 5% Humidity, 20°C (68°F)

| Cloud Cover | RH (%) | °C | °F | Terrain Type | Grade (%) | Max Sustainable Speed (meters/second) | | | Max Sustainable Speed (kilometers/hour) | | | Max Sustainable Speed (miles/hour) | | |
|-------------|--------|----|----|--------------|-----------|---------------------------------------|------|------|---|-----|------|------------------------------------|-----|------|
| | | | | | | Risk Level | | | Risk Level | | | Risk Level | | |
| | | | | | | Low | Mod | High | Low | Mod | High | Low | Mod | High |
| Night | 5 | 20 | 68 | BLACK_TOP | -50 | 0.90 | 1.10 | 1.50 | 3.2 | 4.0 | 5.4 | 2.0 | 2.5 | 3.4 |
| Night | 5 | 20 | 68 | BLACK_TOP | -40 | 1.00 | 1.25 | 1.60 | 3.6 | 4.5 | 5.8 | 2.2 | 2.8 | 3.6 |
| Night | 5 | 20 | 68 | BLACK_TOP | -30 | 1.15 | 1.40 | 1.80 | 4.1 | 5.0 | 6.5 | 2.6 | 3.1 | 4.0 |
| Night | 5 | 20 | 68 | BLACK_TOP | -20 | 1.30 | 1.55 | 1.95 | 4.7 | 5.6 | 7.0 | 2.9 | 3.5 | 4.4 |
| Night | 5 | 20 | 68 | BLACK_TOP | -15 | 1.35 | 1.65 | 2.05 | 4.9 | 5.9 | 7.4 | 3.0 | 3.7 | 4.6 |
| Night | 5 | 20 | 68 | BLACK_TOP | -10 | 1.45 | 1.75 | 2.15 | 5.2 | 6.3 | 7.7 | 3.2 | 3.9 | 4.8 |
| Night | 5 | 20 | 68 | BLACK_TOP | -5 | 1.60 | 1.85 | 2.25 | 5.8 | 6.7 | 8.1 | 3.6 | 4.1 | 5.0 |
| Night | 5 | 20 | 68 | BLACK_TOP | 0 | 1.70 | 1.95 | 2.40 | 6.1 | 7.0 | 8.6 | 3.8 | 4.4 | 5.4 |
| Night | 5 | 20 | 68 | BLACK_TOP | 5 | 1.20 | 1.45 | 1.85 | 4.3 | 5.2 | 6.7 | 2.7 | 3.2 | 4.1 |
| Night | 5 | 20 | 68 | BLACK_TOP | 10 | 0.90 | 1.10 | 1.50 | 3.2 | 4.0 | 5.4 | 2.0 | 2.5 | 3.4 |
| Night | 5 | 20 | 68 | BLACK_TOP | 15 | 0.65 | 0.90 | 1.20 | 2.3 | 3.2 | 4.3 | 1.5 | 2.0 | 2.7 |
| Night | 5 | 20 | 68 | BLACK_TOP | 20 | 0.55 | 0.70 | 1.00 | 2.0 | 2.5 | 3.6 | 1.2 | 1.6 | 2.2 |
| Night | 5 | 20 | 68 | BLACK_TOP | 30 | 0.35 | 0.50 | 0.70 | 1.3 | 1.8 | 2.5 | 0.8 | 1.1 | 1.6 |
| Night | 5 | 20 | 68 | BLACK_TOP | 40 | 0.30 | 0.40 | 0.55 | 1.1 | 1.4 | 2.0 | 0.7 | 0.9 | 1.2 |
| Night | 5 | 20 | 68 | BLACK_TOP | 50 | 0.20 | 0.30 | 0.45 | 0.7 | 1.1 | 1.6 | 0.4 | 0.7 | 1.0 |
| Night | 5 | 20 | 68 | DIRT_ROAD | -50 | 0.80 | 1.05 | 1.40 | 2.9 | 3.8 | 5.0 | 1.8 | 2.4 | 3.1 |
| Night | 5 | 20 | 68 | DIRT_ROAD | -40 | 0.90 | 1.15 | 1.50 | 3.2 | 4.1 | 5.4 | 2.0 | 2.6 | 3.4 |
| Night | 5 | 20 | 68 | DIRT_ROAD | -30 | 1.05 | 1.30 | 1.65 | 3.8 | 4.7 | 5.9 | 2.4 | 2.9 | 3.7 |
| Night | 5 | 20 | 68 | DIRT_ROAD | -20 | 1.20 | 1.45 | 1.85 | 4.3 | 5.2 | 6.7 | 2.7 | 3.2 | 4.1 |
| Night | 5 | 20 | 68 | DIRT_ROAD | -15 | 1.30 | 1.55 | 1.95 | 4.7 | 5.6 | 7.0 | 2.9 | 3.5 | 4.4 |
| Night | 5 | 20 | 68 | DIRT_ROAD | -10 | 1.40 | 1.65 | 2.05 | 5.0 | 5.9 | 7.4 | 3.1 | 3.7 | 4.6 |
| Night | 5 | 20 | 68 | DIRT_ROAD | -5 | 1.50 | 1.75 | 2.15 | 5.4 | 6.3 | 7.7 | 3.4 | 3.9 | 4.8 |
| Night | 5 | 20 | 68 | DIRT_ROAD | 0 | 1.60 | 1.85 | 2.25 | 5.8 | 6.7 | 8.1 | 3.6 | 4.1 | 5.0 |
| Night | 5 | 20 | 68 | DIRT_ROAD | 5 | 1.15 | 1.40 | 1.75 | 4.1 | 5.0 | 6.3 | 2.6 | 3.1 | 3.9 |
| Night | 5 | 20 | 68 | DIRT_ROAD | 10 | 0.80 | 1.05 | 1.40 | 2.9 | 3.8 | 5.0 | 1.8 | 2.4 | 3.1 |
| Night | 5 | 20 | 68 | DIRT_ROAD | 15 | 0.60 | 0.80 | 1.10 | 2.2 | 2.9 | 4.0 | 1.3 | 1.8 | 2.5 |
| Night | 5 | 20 | 68 | DIRT_ROAD | 20 | 0.50 | 0.65 | 0.90 | 1.8 | 2.3 | 3.2 | 1.1 | 1.5 | 2.0 |
| Night | 5 | 20 | 68 | DIRT_ROAD | 30 | 0.35 | 0.45 | 0.65 | 1.3 | 1.6 | 2.3 | 0.8 | 1.0 | 1.5 |
| Night | 5 | 20 | 68 | DIRT_ROAD | 40 | 0.25 | 0.35 | 0.50 | 0.9 | 1.3 | 1.8 | 0.6 | 0.8 | 1.1 |
| Night | 5 | 20 | 68 | DIRT_ROAD | 50 | 0.20 | 0.30 | 0.40 | 0.7 | 1.1 | 1.4 | 0.4 | 0.7 | 0.9 |
| Night | 5 | 20 | 68 | LOOSE_SAND | -50 | 0.45 | 0.60 | 0.85 | 1.6 | 2.2 | 3.1 | 1.0 | 1.3 | 1.9 |
| Night | 5 | 20 | 68 | LOOSE_SAND | -40 | 0.55 | 0.70 | 0.95 | 2.0 | 2.5 | 3.4 | 1.2 | 1.6 | 2.1 |
| Night | 5 | 20 | 68 | LOOSE_SAND | -30 | 0.65 | 0.80 | 1.10 | 2.3 | 2.9 | 4.0 | 1.5 | 1.8 | 2.5 |
| Night | 5 | 20 | 68 | LOOSE_SAND | -20 | 0.80 | 0.95 | 1.25 | 2.9 | 3.4 | 4.5 | 1.8 | 2.1 | 2.8 |
| Night | 5 | 20 | 68 | LOOSE_SAND | -15 | 0.85 | 1.05 | 1.30 | 3.1 | 3.8 | 4.7 | 1.9 | 2.4 | 2.9 |
| Night | 5 | 20 | 68 | LOOSE_SAND | -10 | 0.95 | 1.15 | 1.40 | 3.4 | 4.1 | 5.0 | 2.1 | 2.6 | 3.1 |
| Night | 5 | 20 | 68 | LOOSE_SAND | -5 | 1.05 | 1.25 | 1.50 | 3.8 | 4.5 | 5.4 | 2.4 | 2.8 | 3.4 |
| Night | 5 | 20 | 68 | LOOSE_SAND | 0 | 1.15 | 1.35 | 1.65 | 4.1 | 4.9 | 5.9 | 2.6 | 3.0 | 3.7 |
| Night | 5 | 20 | 68 | LOOSE_SAND | 5 | 0.70 | 0.90 | 1.15 | 2.5 | 3.2 | 4.1 | 1.6 | 2.0 | 2.6 |
| Night | 5 | 20 | 68 | LOOSE_SAND | 10 | 0.45 | 0.60 | 0.85 | 1.6 | 2.2 | 3.1 | 1.0 | 1.3 | 1.9 |
| Night | 5 | 20 | 68 | LOOSE_SAND | 15 | 0.35 | 0.45 | 0.65 | 1.3 | 1.6 | 2.3 | 0.8 | 1.0 | 1.5 |
| Night | 5 | 20 | 68 | LOOSE_SAND | 20 | 0.25 | 0.35 | 0.50 | 0.9 | 1.3 | 1.8 | 0.6 | 0.8 | 1.1 |
| Night | 5 | 20 | 68 | LOOSE_SAND | 30 | 0.15 | 0.25 | 0.35 | 0.5 | 0.9 | 1.3 | 0.3 | 0.6 | 0.8 |
| Night | 5 | 20 | 68 | LOOSE_SAND | 40 | 0.10 | 0.15 | 0.25 | 0.4 | 0.5 | 0.9 | 0.2 | 0.3 | 0.6 |
| Night | 5 | 20 | 68 | LOOSE_SAND | 50 | 0.10 | 0.15 | 0.20 | 0.4 | 0.5 | 0.7 | 0.2 | 0.3 | 0.4 |

Table F-5. Maximum Sustainable Speed, Night, 5% Humidity, 25°C (77°F)

| Cloud Cover | RH (%) | °C | °F | Terrain Type | Grade (%) | Max Sustainable Speed (meters/second) | | | Max Sustainable Speed (kilometers/hour) | | | Max Sustainable Speed (miles/hour) | | |
|-------------|--------|----|----|--------------|-----------|---------------------------------------|------|------|---|-----|------|------------------------------------|-----|------|
| | | | | | | Risk Level | | | Risk Level | | | Risk Level | | |
| | | | | | | Low | Mod | High | Low | Mod | High | Low | Mod | High |
| Night | 5 | 25 | 77 | BLACK_TOP | -50 | 0.80 | 1.05 | 1.35 | 2.9 | 3.8 | 4.9 | 1.8 | 2.4 | 3.0 |
| Night | 5 | 25 | 77 | BLACK_TOP | -40 | 0.90 | 1.15 | 1.50 | 3.2 | 4.1 | 5.4 | 2.0 | 2.6 | 3.4 |
| Night | 5 | 25 | 77 | BLACK_TOP | -30 | 1.05 | 1.30 | 1.65 | 3.8 | 4.7 | 5.9 | 2.4 | 2.9 | 3.7 |
| Night | 5 | 25 | 77 | BLACK_TOP | -20 | 1.20 | 1.45 | 1.85 | 4.3 | 5.2 | 6.7 | 2.7 | 3.2 | 4.1 |
| Night | 5 | 25 | 77 | BLACK_TOP | -15 | 1.30 | 1.55 | 1.95 | 4.7 | 5.6 | 7.0 | 2.9 | 3.5 | 4.4 |
| Night | 5 | 25 | 77 | BLACK_TOP | -10 | 1.35 | 1.65 | 2.05 | 4.9 | 5.9 | 7.4 | 3.0 | 3.7 | 4.6 |
| Night | 5 | 25 | 77 | BLACK_TOP | -5 | 1.50 | 1.75 | 2.15 | 5.4 | 6.3 | 7.7 | 3.4 | 3.9 | 4.8 |
| Night | 5 | 25 | 77 | BLACK_TOP | 0 | 1.60 | 1.85 | 2.25 | 5.8 | 6.7 | 8.1 | 3.6 | 4.1 | 5.0 |
| Night | 5 | 25 | 77 | BLACK_TOP | 5 | 1.10 | 1.40 | 1.75 | 4.0 | 5.0 | 6.3 | 2.5 | 3.1 | 3.9 |
| Night | 5 | 25 | 77 | BLACK_TOP | 10 | 0.80 | 1.05 | 1.35 | 2.9 | 3.8 | 4.9 | 1.8 | 2.4 | 3.0 |
| Night | 5 | 25 | 77 | BLACK_TOP | 15 | 0.60 | 0.80 | 1.10 | 2.2 | 2.9 | 4.0 | 1.3 | 1.8 | 2.5 |
| Night | 5 | 25 | 77 | BLACK_TOP | 20 | 0.50 | 0.65 | 0.90 | 1.8 | 2.3 | 3.2 | 1.1 | 1.5 | 2.0 |
| Night | 5 | 25 | 77 | BLACK_TOP | 30 | 0.35 | 0.45 | 0.65 | 1.3 | 1.6 | 2.3 | 0.8 | 1.0 | 1.5 |
| Night | 5 | 25 | 77 | BLACK_TOP | 40 | 0.25 | 0.35 | 0.50 | 0.9 | 1.3 | 1.8 | 0.6 | 0.8 | 1.1 |
| Night | 5 | 25 | 77 | BLACK_TOP | 50 | 0.20 | 0.30 | 0.40 | 0.7 | 1.1 | 1.4 | 0.4 | 0.7 | 0.9 |
| Night | 5 | 25 | 77 | DIRT_ROAD | -50 | 0.75 | 0.95 | 1.25 | 2.7 | 3.4 | 4.5 | 1.7 | 2.1 | 2.8 |
| Night | 5 | 25 | 77 | DIRT_ROAD | -40 | 0.85 | 1.10 | 1.40 | 3.1 | 4.0 | 5.0 | 1.9 | 2.5 | 3.1 |
| Night | 5 | 25 | 77 | DIRT_ROAD | -30 | 0.95 | 1.20 | 1.55 | 3.4 | 4.3 | 5.6 | 2.1 | 2.7 | 3.5 |
| Night | 5 | 25 | 77 | DIRT_ROAD | -20 | 1.10 | 1.40 | 1.75 | 4.0 | 5.0 | 6.3 | 2.5 | 3.1 | 3.9 |
| Night | 5 | 25 | 77 | DIRT_ROAD | -15 | 1.20 | 1.45 | 1.80 | 4.3 | 5.2 | 6.5 | 2.7 | 3.2 | 4.0 |
| Night | 5 | 25 | 77 | DIRT_ROAD | -10 | 1.30 | 1.55 | 1.90 | 4.7 | 5.6 | 6.8 | 2.9 | 3.5 | 4.3 |
| Night | 5 | 25 | 77 | DIRT_ROAD | -5 | 1.40 | 1.65 | 2.05 | 5.0 | 5.9 | 7.4 | 3.1 | 3.7 | 4.6 |
| Night | 5 | 25 | 77 | DIRT_ROAD | 0 | 1.50 | 1.80 | 2.15 | 5.4 | 6.5 | 7.7 | 3.4 | 4.0 | 4.8 |
| Night | 5 | 25 | 77 | DIRT_ROAD | 5 | 1.05 | 1.30 | 1.65 | 3.8 | 4.7 | 5.9 | 2.4 | 2.9 | 3.7 |
| Night | 5 | 25 | 77 | DIRT_ROAD | 10 | 0.75 | 0.95 | 1.25 | 2.7 | 3.4 | 4.5 | 1.7 | 2.1 | 2.8 |
| Night | 5 | 25 | 77 | DIRT_ROAD | 15 | 0.55 | 0.75 | 1.00 | 2.0 | 2.7 | 3.6 | 1.2 | 1.7 | 2.2 |
| Night | 5 | 25 | 77 | DIRT_ROAD | 20 | 0.45 | 0.60 | 0.85 | 1.6 | 2.2 | 3.1 | 1.0 | 1.3 | 1.9 |
| Night | 5 | 25 | 77 | DIRT_ROAD | 30 | 0.30 | 0.40 | 0.60 | 1.1 | 1.4 | 2.2 | 0.7 | 0.9 | 1.3 |
| Night | 5 | 25 | 77 | DIRT_ROAD | 40 | 0.20 | 0.30 | 0.45 | 0.7 | 1.1 | 1.6 | 0.4 | 0.7 | 1.0 |
| Night | 5 | 25 | 77 | DIRT_ROAD | 50 | 0.20 | 0.25 | 0.35 | 0.7 | 0.9 | 1.3 | 0.4 | 0.6 | 0.8 |
| Night | 5 | 25 | 77 | LOOSE_SAND | -50 | 0.40 | 0.55 | 0.75 | 1.4 | 2.0 | 2.7 | 0.9 | 1.2 | 1.7 |
| Night | 5 | 25 | 77 | LOOSE_SAND | -40 | 0.50 | 0.65 | 0.85 | 1.8 | 2.3 | 3.1 | 1.1 | 1.5 | 1.9 |
| Night | 5 | 25 | 77 | LOOSE_SAND | -30 | 0.60 | 0.75 | 1.00 | 2.2 | 2.7 | 3.6 | 1.3 | 1.7 | 2.2 |
| Night | 5 | 25 | 77 | LOOSE_SAND | -20 | 0.70 | 0.90 | 1.15 | 2.5 | 3.2 | 4.1 | 1.6 | 2.0 | 2.6 |
| Night | 5 | 25 | 77 | LOOSE_SAND | -15 | 0.80 | 1.00 | 1.25 | 2.9 | 3.6 | 4.5 | 1.8 | 2.2 | 2.8 |
| Night | 5 | 25 | 77 | LOOSE_SAND | -10 | 0.90 | 1.05 | 1.35 | 3.2 | 3.8 | 4.9 | 2.0 | 2.4 | 3.0 |
| Night | 5 | 25 | 77 | LOOSE_SAND | -5 | 1.00 | 1.15 | 1.45 | 3.6 | 4.1 | 5.2 | 2.2 | 2.6 | 3.2 |
| Night | 5 | 25 | 77 | LOOSE_SAND | 0 | 1.10 | 1.30 | 1.55 | 4.0 | 4.7 | 5.6 | 2.5 | 2.9 | 3.5 |
| Night | 5 | 25 | 77 | LOOSE_SAND | 5 | 0.65 | 0.85 | 1.05 | 2.3 | 3.1 | 3.8 | 1.5 | 1.9 | 2.4 |
| Night | 5 | 25 | 77 | LOOSE_SAND | 10 | 0.40 | 0.55 | 0.75 | 1.4 | 2.0 | 2.7 | 0.9 | 1.2 | 1.7 |
| Night | 5 | 25 | 77 | LOOSE_SAND | 15 | 0.30 | 0.40 | 0.60 | 1.1 | 1.4 | 2.2 | 0.7 | 0.9 | 1.3 |
| Night | 5 | 25 | 77 | LOOSE_SAND | 20 | 0.25 | 0.30 | 0.45 | 0.9 | 1.1 | 1.6 | 0.6 | 0.7 | 1.0 |
| Night | 5 | 25 | 77 | LOOSE_SAND | 30 | 0.15 | 0.20 | 0.30 | 0.5 | 0.7 | 1.1 | 0.3 | 0.4 | 0.7 |
| Night | 5 | 25 | 77 | LOOSE_SAND | 40 | 0.10 | 0.15 | 0.25 | 0.4 | 0.5 | 0.9 | 0.2 | 0.3 | 0.6 |
| Night | 5 | 25 | 77 | LOOSE_SAND | 50 | 0.10 | 0.10 | 0.20 | 0.4 | 0.4 | 0.7 | 0.2 | 0.2 | 0.4 |

Table F-6. Maximum Sustainable Speed, Night, 5% Humidity, 30°C (86°F)

| Cloud Cover | RH (%) | °C | °F | Terrain Type | Grade (%) | Max Sustainable Speed (meters/second) | | | Max Sustainable Speed (kilometers/hour) | | | Max Sustainable Speed (miles/hour) | | |
|-------------|--------|----|----|--------------|-----------|---------------------------------------|------|------|---|-----|------|------------------------------------|-----|------|
| | | | | | | Risk Level | | | Risk Level | | | Risk Level | | |
| | | | | | | Low | Mod | High | Low | Mod | High | Low | Mod | High |
| Night | 5 | 30 | 86 | BLACK_TOP | -50 | 0.70 | 0.95 | 1.25 | 2.5 | 3.4 | 4.5 | 1.6 | 2.1 | 2.8 |
| Night | 5 | 30 | 86 | BLACK_TOP | -40 | 0.80 | 1.05 | 1.40 | 2.9 | 3.8 | 5.0 | 1.8 | 2.4 | 3.1 |
| Night | 5 | 30 | 86 | BLACK_TOP | -30 | 0.95 | 1.20 | 1.55 | 3.4 | 4.3 | 5.6 | 2.1 | 2.7 | 3.5 |
| Night | 5 | 30 | 86 | BLACK_TOP | -20 | 1.10 | 1.35 | 1.70 | 4.0 | 4.9 | 6.1 | 2.5 | 3.0 | 3.8 |
| Night | 5 | 30 | 86 | BLACK_TOP | -15 | 1.20 | 1.45 | 1.80 | 4.3 | 5.2 | 6.5 | 2.7 | 3.2 | 4.0 |
| Night | 5 | 30 | 86 | BLACK_TOP | -10 | 1.25 | 1.55 | 1.90 | 4.5 | 5.6 | 6.8 | 2.8 | 3.5 | 4.3 |
| Night | 5 | 30 | 86 | BLACK_TOP | -5 | 1.40 | 1.65 | 2.00 | 5.0 | 5.9 | 7.2 | 3.1 | 3.7 | 4.5 |
| Night | 5 | 30 | 86 | BLACK_TOP | 0 | 1.50 | 1.80 | 2.10 | 5.4 | 6.5 | 7.6 | 3.4 | 4.0 | 4.7 |
| Night | 5 | 30 | 86 | BLACK_TOP | 5 | 1.00 | 1.30 | 1.60 | 3.6 | 4.7 | 5.8 | 2.2 | 2.9 | 3.6 |
| Night | 5 | 30 | 86 | BLACK_TOP | 10 | 0.70 | 0.95 | 1.25 | 2.5 | 3.4 | 4.5 | 1.6 | 2.1 | 2.8 |
| Night | 5 | 30 | 86 | BLACK_TOP | 15 | 0.55 | 0.75 | 1.00 | 2.0 | 2.7 | 3.6 | 1.2 | 1.7 | 2.2 |
| Night | 5 | 30 | 86 | BLACK_TOP | 20 | 0.40 | 0.60 | 0.80 | 1.4 | 2.2 | 2.9 | 0.9 | 1.3 | 1.8 |
| Night | 5 | 30 | 86 | BLACK_TOP | 30 | 0.30 | 0.40 | 0.60 | 1.1 | 1.4 | 2.2 | 0.7 | 0.9 | 1.3 |
| Night | 5 | 30 | 86 | BLACK_TOP | 40 | 0.20 | 0.30 | 0.45 | 0.7 | 1.1 | 1.6 | 0.4 | 0.7 | 1.0 |
| Night | 5 | 30 | 86 | BLACK_TOP | 50 | 0.15 | 0.25 | 0.35 | 0.5 | 0.9 | 1.3 | 0.3 | 0.6 | 0.8 |
| Night | 5 | 30 | 86 | DIRT_ROAD | -50 | 0.65 | 0.90 | 1.15 | 2.3 | 3.2 | 4.1 | 1.5 | 2.0 | 2.6 |
| Night | 5 | 30 | 86 | DIRT_ROAD | -40 | 0.75 | 1.00 | 1.30 | 2.7 | 3.6 | 4.7 | 1.7 | 2.2 | 2.9 |
| Night | 5 | 30 | 86 | DIRT_ROAD | -30 | 0.90 | 1.15 | 1.45 | 3.2 | 4.1 | 5.2 | 2.0 | 2.6 | 3.2 |
| Night | 5 | 30 | 86 | DIRT_ROAD | -20 | 1.05 | 1.30 | 1.60 | 3.8 | 4.7 | 5.8 | 2.4 | 2.9 | 3.6 |
| Night | 5 | 30 | 86 | DIRT_ROAD | -15 | 1.10 | 1.40 | 1.70 | 4.0 | 5.0 | 6.1 | 2.5 | 3.1 | 3.8 |
| Night | 5 | 30 | 86 | DIRT_ROAD | -10 | 1.20 | 1.50 | 1.80 | 4.3 | 5.4 | 6.5 | 2.7 | 3.4 | 4.0 |
| Night | 5 | 30 | 86 | DIRT_ROAD | -5 | 1.30 | 1.60 | 1.90 | 4.7 | 5.8 | 6.8 | 2.9 | 3.6 | 4.3 |
| Night | 5 | 30 | 86 | DIRT_ROAD | 0 | 1.40 | 1.70 | 2.00 | 5.0 | 6.1 | 7.2 | 3.1 | 3.8 | 4.5 |
| Night | 5 | 30 | 86 | DIRT_ROAD | 5 | 0.95 | 1.20 | 1.50 | 3.4 | 4.3 | 5.4 | 2.1 | 2.7 | 3.4 |
| Night | 5 | 30 | 86 | DIRT_ROAD | 10 | 0.65 | 0.90 | 1.15 | 2.3 | 3.2 | 4.1 | 1.5 | 2.0 | 2.6 |
| Night | 5 | 30 | 86 | DIRT_ROAD | 15 | 0.50 | 0.70 | 0.90 | 1.8 | 2.5 | 3.2 | 1.1 | 1.6 | 2.0 |
| Night | 5 | 30 | 86 | DIRT_ROAD | 20 | 0.40 | 0.55 | 0.75 | 1.4 | 2.0 | 2.7 | 0.9 | 1.2 | 1.7 |
| Night | 5 | 30 | 86 | DIRT_ROAD | 30 | 0.25 | 0.35 | 0.55 | 0.9 | 1.3 | 2.0 | 0.6 | 0.8 | 1.2 |
| Night | 5 | 30 | 86 | DIRT_ROAD | 40 | 0.20 | 0.30 | 0.40 | 0.7 | 1.1 | 1.4 | 0.4 | 0.7 | 0.9 |
| Night | 5 | 30 | 86 | DIRT_ROAD | 50 | 0.15 | 0.20 | 0.30 | 0.5 | 0.7 | 1.1 | 0.3 | 0.4 | 0.7 |
| Night | 5 | 30 | 86 | LOOSE_SAND | -50 | 0.35 | 0.50 | 0.70 | 1.3 | 1.8 | 2.5 | 0.8 | 1.1 | 1.6 |
| Night | 5 | 30 | 86 | LOOSE_SAND | -40 | 0.45 | 0.60 | 0.80 | 1.6 | 2.2 | 2.9 | 1.0 | 1.3 | 1.8 |
| Night | 5 | 30 | 86 | LOOSE_SAND | -30 | 0.55 | 0.70 | 0.90 | 2.0 | 2.5 | 3.2 | 1.2 | 1.6 | 2.0 |
| Night | 5 | 30 | 86 | LOOSE_SAND | -20 | 0.65 | 0.85 | 1.05 | 2.3 | 3.1 | 3.8 | 1.5 | 1.9 | 2.4 |
| Night | 5 | 30 | 86 | LOOSE_SAND | -15 | 0.75 | 0.90 | 1.15 | 2.7 | 3.2 | 4.1 | 1.7 | 2.0 | 2.6 |
| Night | 5 | 30 | 86 | LOOSE_SAND | -10 | 0.80 | 1.00 | 1.25 | 2.9 | 3.6 | 4.5 | 1.8 | 2.2 | 2.8 |
| Night | 5 | 30 | 86 | LOOSE_SAND | -5 | 0.90 | 1.10 | 1.35 | 3.2 | 4.0 | 4.9 | 2.0 | 2.5 | 3.0 |
| Night | 5 | 30 | 86 | LOOSE_SAND | 0 | 1.00 | 1.20 | 1.45 | 3.6 | 4.3 | 5.2 | 2.2 | 2.7 | 3.2 |
| Night | 5 | 30 | 86 | LOOSE_SAND | 5 | 0.60 | 0.75 | 1.00 | 2.2 | 2.7 | 3.6 | 1.3 | 1.7 | 2.2 |
| Night | 5 | 30 | 86 | LOOSE_SAND | 10 | 0.35 | 0.50 | 0.70 | 1.3 | 1.8 | 2.5 | 0.8 | 1.1 | 1.6 |
| Night | 5 | 30 | 86 | LOOSE_SAND | 15 | 0.25 | 0.35 | 0.50 | 0.9 | 1.3 | 1.8 | 0.6 | 0.8 | 1.1 |
| Night | 5 | 30 | 86 | LOOSE_SAND | 20 | 0.20 | 0.30 | 0.40 | 0.7 | 1.1 | 1.4 | 0.4 | 0.7 | 0.9 |
| Night | 5 | 30 | 86 | LOOSE_SAND | 30 | 0.15 | 0.20 | 0.25 | 0.5 | 0.7 | 0.9 | 0.3 | 0.4 | 0.6 |
| Night | 5 | 30 | 86 | LOOSE_SAND | 40 | 0.10 | 0.15 | 0.20 | 0.4 | 0.5 | 0.7 | 0.2 | 0.3 | 0.4 |
| Night | 5 | 30 | 86 | LOOSE_SAND | 50 | 0.05 | 0.10 | 0.15 | 0.2 | 0.4 | 0.5 | 0.1 | 0.2 | 0.3 |

Table F-7. Maximum Sustainable Speed, Night, 5% Humidity, 35°C (95°F)

| Cloud Cover | RH (%) | °C | °F | Terrain Type | Grade (%) | Max Sustainable Speed (meters/second) | | | Max Sustainable Speed (kilometers/hour) | | | Max Sustainable Speed (miles/hour) | | |
|-------------|--------|----|----|--------------|-----------|---------------------------------------|------|------|---|-----|------|------------------------------------|-----|------|
| | | | | | | Risk Level | | | Risk Level | | | Risk Level | | |
| | | | | | | Low | Mod | High | Low | Mod | High | Low | Mod | High |
| Night | 5 | 35 | 95 | BLACK_TOP | -50 | 0.65 | 0.85 | 1.15 | 2.3 | 3.1 | 4.1 | 1.5 | 1.9 | 2.6 |
| Night | 5 | 35 | 95 | BLACK_TOP | -40 | 0.75 | 1.00 | 1.25 | 2.7 | 3.6 | 4.5 | 1.7 | 2.2 | 2.8 |
| Night | 5 | 35 | 95 | BLACK_TOP | -30 | 0.85 | 1.10 | 1.40 | 3.1 | 4.0 | 5.0 | 1.9 | 2.5 | 3.1 |
| Night | 5 | 35 | 95 | BLACK_TOP | -20 | 1.00 | 1.30 | 1.55 | 3.6 | 4.7 | 5.6 | 2.2 | 2.9 | 3.5 |
| Night | 5 | 35 | 95 | BLACK_TOP | -15 | 1.10 | 1.35 | 1.65 | 4.0 | 4.9 | 5.9 | 2.5 | 3.0 | 3.7 |
| Night | 5 | 35 | 95 | BLACK_TOP | -10 | 1.15 | 1.45 | 1.75 | 4.1 | 5.2 | 6.3 | 2.6 | 3.2 | 3.9 |
| Night | 5 | 35 | 95 | BLACK_TOP | -5 | 1.25 | 1.55 | 1.85 | 4.5 | 5.6 | 6.7 | 2.8 | 3.5 | 4.1 |
| Night | 5 | 35 | 95 | BLACK_TOP | 0 | 1.40 | 1.70 | 2.00 | 5.0 | 6.1 | 7.2 | 3.1 | 3.8 | 4.5 |
| Night | 5 | 35 | 95 | BLACK_TOP | 5 | 0.90 | 1.20 | 1.50 | 3.2 | 4.3 | 5.4 | 2.0 | 2.7 | 3.4 |
| Night | 5 | 35 | 95 | BLACK_TOP | 10 | 0.65 | 0.85 | 1.15 | 2.3 | 3.1 | 4.1 | 1.5 | 1.9 | 2.6 |
| Night | 5 | 35 | 95 | BLACK_TOP | 15 | 0.45 | 0.65 | 0.90 | 1.6 | 2.3 | 3.2 | 1.0 | 1.5 | 2.0 |
| Night | 5 | 35 | 95 | BLACK_TOP | 20 | 0.35 | 0.55 | 0.70 | 1.3 | 2.0 | 2.5 | 0.8 | 1.2 | 1.6 |
| Night | 5 | 35 | 95 | BLACK_TOP | 30 | 0.25 | 0.35 | 0.50 | 0.9 | 1.3 | 1.8 | 0.6 | 0.8 | 1.1 |
| Night | 5 | 35 | 95 | BLACK_TOP | 40 | 0.20 | 0.30 | 0.40 | 0.7 | 1.1 | 1.4 | 0.4 | 0.7 | 0.9 |
| Night | 5 | 35 | 95 | BLACK_TOP | 50 | 0.15 | 0.20 | 0.30 | 0.5 | 0.7 | 1.1 | 0.3 | 0.4 | 0.7 |
| Night | 5 | 35 | 95 | DIRT_ROAD | -50 | 0.60 | 0.80 | 1.05 | 2.2 | 2.9 | 3.8 | 1.3 | 1.8 | 2.4 |
| Night | 5 | 35 | 95 | DIRT_ROAD | -40 | 0.70 | 0.90 | 1.15 | 2.5 | 3.2 | 4.1 | 1.6 | 2.0 | 2.6 |
| Night | 5 | 35 | 95 | DIRT_ROAD | -30 | 0.80 | 1.05 | 1.30 | 2.9 | 3.8 | 4.7 | 1.8 | 2.4 | 2.9 |
| Night | 5 | 35 | 95 | DIRT_ROAD | -20 | 0.95 | 1.20 | 1.45 | 3.4 | 4.3 | 5.2 | 2.1 | 2.7 | 3.2 |
| Night | 5 | 35 | 95 | DIRT_ROAD | -15 | 1.00 | 1.30 | 1.55 | 3.6 | 4.7 | 5.6 | 2.2 | 2.9 | 3.5 |
| Night | 5 | 35 | 95 | DIRT_ROAD | -10 | 1.10 | 1.40 | 1.65 | 4.0 | 5.0 | 5.9 | 2.5 | 3.1 | 3.7 |
| Night | 5 | 35 | 95 | DIRT_ROAD | -5 | 1.20 | 1.50 | 1.75 | 4.3 | 5.4 | 6.3 | 2.7 | 3.4 | 3.9 |
| Night | 5 | 35 | 95 | DIRT_ROAD | 0 | 1.30 | 1.60 | 1.90 | 4.7 | 5.8 | 6.8 | 2.9 | 3.6 | 4.3 |
| Night | 5 | 35 | 95 | DIRT_ROAD | 5 | 0.85 | 1.10 | 1.40 | 3.1 | 4.0 | 5.0 | 1.9 | 2.5 | 3.1 |
| Night | 5 | 35 | 95 | DIRT_ROAD | 10 | 0.60 | 0.80 | 1.05 | 2.2 | 2.9 | 3.8 | 1.3 | 1.8 | 2.4 |
| Night | 5 | 35 | 95 | DIRT_ROAD | 15 | 0.45 | 0.60 | 0.80 | 1.6 | 2.2 | 2.9 | 1.0 | 1.3 | 1.8 |
| Night | 5 | 35 | 95 | DIRT_ROAD | 20 | 0.35 | 0.50 | 0.65 | 1.3 | 1.8 | 2.3 | 0.8 | 1.1 | 1.5 |
| Night | 5 | 35 | 95 | DIRT_ROAD | 30 | 0.20 | 0.35 | 0.45 | 0.7 | 1.3 | 1.6 | 0.4 | 0.8 | 1.0 |
| Night | 5 | 35 | 95 | DIRT_ROAD | 40 | 0.15 | 0.25 | 0.35 | 0.5 | 0.9 | 1.3 | 0.3 | 0.6 | 0.8 |
| Night | 5 | 35 | 95 | DIRT_ROAD | 50 | 0.15 | 0.20 | 0.30 | 0.5 | 0.7 | 1.1 | 0.3 | 0.4 | 0.7 |
| Night | 5 | 35 | 95 | LOOSE_SAND | -50 | 0.35 | 0.45 | 0.60 | 1.3 | 1.6 | 2.2 | 0.8 | 1.0 | 1.3 |
| Night | 5 | 35 | 95 | LOOSE_SAND | -40 | 0.40 | 0.55 | 0.70 | 1.4 | 2.0 | 2.5 | 0.9 | 1.2 | 1.6 |
| Night | 5 | 35 | 95 | LOOSE_SAND | -30 | 0.45 | 0.65 | 0.80 | 1.6 | 2.3 | 2.9 | 1.0 | 1.5 | 1.8 |
| Night | 5 | 35 | 95 | LOOSE_SAND | -20 | 0.60 | 0.75 | 0.95 | 2.2 | 2.7 | 3.4 | 1.3 | 1.7 | 2.1 |
| Night | 5 | 35 | 95 | LOOSE_SAND | -15 | 0.65 | 0.85 | 1.05 | 2.3 | 3.1 | 3.8 | 1.5 | 1.9 | 2.4 |
| Night | 5 | 35 | 95 | LOOSE_SAND | -10 | 0.75 | 0.95 | 1.15 | 2.7 | 3.4 | 4.1 | 1.7 | 2.1 | 2.6 |
| Night | 5 | 35 | 95 | LOOSE_SAND | -5 | 0.85 | 1.05 | 1.25 | 3.1 | 3.8 | 4.5 | 1.9 | 2.4 | 2.8 |
| Night | 5 | 35 | 95 | LOOSE_SAND | 0 | 0.95 | 1.15 | 1.35 | 3.4 | 4.1 | 4.9 | 2.1 | 2.6 | 3.0 |
| Night | 5 | 35 | 95 | LOOSE_SAND | 5 | 0.50 | 0.70 | 0.90 | 1.8 | 2.5 | 3.2 | 1.1 | 1.6 | 2.0 |
| Night | 5 | 35 | 95 | LOOSE_SAND | 10 | 0.35 | 0.45 | 0.60 | 1.3 | 1.6 | 2.2 | 0.8 | 1.0 | 1.3 |
| Night | 5 | 35 | 95 | LOOSE_SAND | 15 | 0.25 | 0.35 | 0.45 | 0.9 | 1.3 | 1.6 | 0.6 | 0.8 | 1.0 |
| Night | 5 | 35 | 95 | LOOSE_SAND | 20 | 0.15 | 0.25 | 0.35 | 0.5 | 0.9 | 1.3 | 0.3 | 0.6 | 0.8 |
| Night | 5 | 35 | 95 | LOOSE_SAND | 30 | 0.10 | 0.15 | 0.25 | 0.4 | 0.5 | 0.9 | 0.2 | 0.3 | 0.6 |
| Night | 5 | 35 | 95 | LOOSE_SAND | 40 | 0.10 | 0.10 | 0.20 | 0.4 | 0.4 | 0.7 | 0.2 | 0.2 | 0.4 |
| Night | 5 | 35 | 95 | LOOSE_SAND | 50 | 0.05 | 0.10 | 0.15 | 0.2 | 0.4 | 0.5 | 0.1 | 0.2 | 0.3 |

Table F-8. Maximum Sustainable Speed, Night, 25% Humidity, 5°C (41°F)

| Cloud Cover | RH (%) | °C | °F | Terrain Type | Grade (%) | Max Sustainable Speed (meters/second) | | | Max Sustainable Speed (kilometers/hour) | | | Max Sustainable Speed (miles/hour) | | |
|-------------|--------|----|----|--------------|-----------|---------------------------------------|------|------|---|-----|------|------------------------------------|-----|------|
| | | | | | | Risk Level | | | Risk Level | | | Risk Level | | |
| | | | | | | Low | Mod | High | Low | Mod | High | Low | Mod | High |
| Night | 25 | 5 | 41 | BLACK_TOP | -50 | 1.05 | 1.35 | 1.60 | 3.8 | 4.9 | 5.8 | 2.4 | 3.0 | 3.6 |
| Night | 25 | 5 | 41 | BLACK_TOP | -40 | 1.20 | 1.50 | 1.75 | 4.3 | 5.4 | 6.3 | 2.7 | 3.4 | 3.9 |
| Night | 25 | 5 | 41 | BLACK_TOP | -30 | 1.35 | 1.65 | 1.90 | 4.9 | 5.9 | 6.8 | 3.0 | 3.7 | 4.3 |
| Night | 25 | 5 | 41 | BLACK_TOP | -20 | 1.50 | 1.80 | 2.10 | 5.4 | 6.5 | 7.6 | 3.4 | 4.0 | 4.7 |
| Night | 25 | 5 | 41 | BLACK_TOP | -15 | 1.60 | 1.90 | 2.20 | 5.8 | 6.8 | 7.9 | 3.6 | 4.3 | 4.9 |
| Night | 25 | 5 | 41 | BLACK_TOP | -10 | 1.70 | 2.00 | 2.30 | 6.1 | 7.2 | 8.3 | 3.8 | 4.5 | 5.2 |
| Night | 25 | 5 | 41 | BLACK_TOP | -5 | 1.80 | 2.10 | 2.40 | 6.5 | 7.6 | 8.6 | 4.0 | 4.7 | 5.4 |
| Night | 25 | 5 | 41 | BLACK_TOP | 0 | 1.90 | 2.20 | 2.50 | 6.8 | 7.9 | 9.0 | 4.3 | 4.9 | 5.6 |
| Night | 25 | 5 | 41 | BLACK_TOP | 5 | 1.40 | 1.70 | 2.00 | 5.0 | 6.1 | 7.2 | 3.1 | 3.8 | 4.5 |
| Night | 25 | 5 | 41 | BLACK_TOP | 10 | 1.05 | 1.35 | 1.60 | 3.8 | 4.9 | 5.8 | 2.4 | 3.0 | 3.6 |
| Night | 25 | 5 | 41 | BLACK_TOP | 15 | 0.85 | 1.05 | 1.30 | 3.1 | 3.8 | 4.7 | 1.9 | 2.4 | 2.9 |
| Night | 25 | 5 | 41 | BLACK_TOP | 20 | 0.65 | 0.90 | 1.10 | 2.3 | 3.2 | 4.0 | 1.5 | 2.0 | 2.5 |
| Night | 25 | 5 | 41 | BLACK_TOP | 30 | 0.50 | 0.65 | 0.80 | 1.8 | 2.3 | 2.9 | 1.1 | 1.5 | 1.8 |
| Night | 25 | 5 | 41 | BLACK_TOP | 40 | 0.35 | 0.50 | 0.65 | 1.3 | 1.8 | 2.3 | 0.8 | 1.1 | 1.5 |
| Night | 25 | 5 | 41 | BLACK_TOP | 50 | 0.30 | 0.40 | 0.50 | 1.1 | 1.4 | 1.8 | 0.7 | 0.9 | 1.1 |
| Night | 25 | 5 | 41 | DIRT_ROAD | -50 | 1.00 | 1.25 | 1.50 | 3.6 | 4.5 | 5.4 | 2.2 | 2.8 | 3.4 |
| Night | 25 | 5 | 41 | DIRT_ROAD | -40 | 1.10 | 1.40 | 1.65 | 4.0 | 5.0 | 5.9 | 2.5 | 3.1 | 3.7 |
| Night | 25 | 5 | 41 | DIRT_ROAD | -30 | 1.25 | 1.55 | 1.80 | 4.5 | 5.6 | 6.5 | 2.8 | 3.5 | 4.0 |
| Night | 25 | 5 | 41 | DIRT_ROAD | -20 | 1.40 | 1.70 | 2.00 | 5.0 | 6.1 | 7.2 | 3.1 | 3.8 | 4.5 |
| Night | 25 | 5 | 41 | DIRT_ROAD | -15 | 1.50 | 1.80 | 2.10 | 5.4 | 6.5 | 7.6 | 3.4 | 4.0 | 4.7 |
| Night | 25 | 5 | 41 | DIRT_ROAD | -10 | 1.60 | 1.90 | 2.20 | 5.8 | 6.8 | 7.9 | 3.6 | 4.3 | 4.9 |
| Night | 25 | 5 | 41 | DIRT_ROAD | -5 | 1.70 | 2.00 | 2.30 | 6.1 | 7.2 | 8.3 | 3.8 | 4.5 | 5.2 |
| Night | 25 | 5 | 41 | DIRT_ROAD | 0 | 1.80 | 2.10 | 2.40 | 6.5 | 7.6 | 8.6 | 4.0 | 4.7 | 5.4 |
| Night | 25 | 5 | 41 | DIRT_ROAD | 5 | 1.35 | 1.60 | 1.90 | 4.9 | 5.8 | 6.8 | 3.0 | 3.6 | 4.3 |
| Night | 25 | 5 | 41 | DIRT_ROAD | 10 | 1.00 | 1.25 | 1.50 | 3.6 | 4.5 | 5.4 | 2.2 | 2.8 | 3.4 |
| Night | 25 | 5 | 41 | DIRT_ROAD | 15 | 0.75 | 1.00 | 1.20 | 2.7 | 3.6 | 4.3 | 1.7 | 2.2 | 2.7 |
| Night | 25 | 5 | 41 | DIRT_ROAD | 20 | 0.60 | 0.80 | 1.00 | 2.2 | 2.9 | 3.6 | 1.3 | 1.8 | 2.2 |
| Night | 25 | 5 | 41 | DIRT_ROAD | 30 | 0.45 | 0.60 | 0.75 | 1.6 | 2.2 | 2.7 | 1.0 | 1.3 | 1.7 |
| Night | 25 | 5 | 41 | DIRT_ROAD | 40 | 0.35 | 0.45 | 0.55 | 1.3 | 1.6 | 2.0 | 0.8 | 1.0 | 1.2 |
| Night | 25 | 5 | 41 | DIRT_ROAD | 50 | 0.25 | 0.35 | 0.45 | 0.9 | 1.3 | 1.6 | 0.6 | 0.8 | 1.0 |
| Night | 25 | 5 | 41 | LOOSE_SAND | -50 | 0.60 | 0.75 | 0.90 | 2.2 | 2.7 | 3.2 | 1.3 | 1.7 | 2.0 |
| Night | 25 | 5 | 41 | LOOSE_SAND | -40 | 0.65 | 0.85 | 1.05 | 2.3 | 3.1 | 3.8 | 1.5 | 1.9 | 2.4 |
| Night | 25 | 5 | 41 | LOOSE_SAND | -30 | 0.80 | 1.00 | 1.15 | 2.9 | 3.6 | 4.1 | 1.8 | 2.2 | 2.6 |
| Night | 25 | 5 | 41 | LOOSE_SAND | -20 | 0.90 | 1.15 | 1.35 | 3.2 | 4.1 | 4.9 | 2.0 | 2.6 | 3.0 |
| Night | 25 | 5 | 41 | LOOSE_SAND | -15 | 1.00 | 1.20 | 1.40 | 3.6 | 4.3 | 5.0 | 2.2 | 2.7 | 3.1 |
| Night | 25 | 5 | 41 | LOOSE_SAND | -10 | 1.10 | 1.30 | 1.50 | 4.0 | 4.7 | 5.4 | 2.5 | 2.9 | 3.4 |
| Night | 25 | 5 | 41 | LOOSE_SAND | -5 | 1.20 | 1.40 | 1.60 | 4.3 | 5.0 | 5.8 | 2.7 | 3.1 | 3.6 |
| Night | 25 | 5 | 41 | LOOSE_SAND | 0 | 1.30 | 1.55 | 1.75 | 4.7 | 5.6 | 6.3 | 2.9 | 3.5 | 3.9 |
| Night | 25 | 5 | 41 | LOOSE_SAND | 5 | 0.85 | 1.05 | 1.25 | 3.1 | 3.8 | 4.5 | 1.9 | 2.4 | 2.8 |
| Night | 25 | 5 | 41 | LOOSE_SAND | 10 | 0.60 | 0.75 | 0.90 | 2.2 | 2.7 | 3.2 | 1.3 | 1.7 | 2.0 |
| Night | 25 | 5 | 41 | LOOSE_SAND | 15 | 0.45 | 0.55 | 0.70 | 1.6 | 2.0 | 2.5 | 1.0 | 1.2 | 1.6 |
| Night | 25 | 5 | 41 | LOOSE_SAND | 20 | 0.35 | 0.45 | 0.55 | 1.3 | 1.6 | 2.0 | 0.8 | 1.0 | 1.2 |
| Night | 25 | 5 | 41 | LOOSE_SAND | 30 | 0.20 | 0.30 | 0.40 | 0.7 | 1.1 | 1.4 | 0.4 | 0.7 | 0.9 |
| Night | 25 | 5 | 41 | LOOSE_SAND | 40 | 0.15 | 0.25 | 0.30 | 0.5 | 0.9 | 1.1 | 0.3 | 0.6 | 0.7 |
| Night | 25 | 5 | 41 | LOOSE_SAND | 50 | 0.15 | 0.20 | 0.25 | 0.5 | 0.7 | 0.9 | 0.3 | 0.4 | 0.6 |

Table F-9. Maximum Sustainable Speed, Night, 25 % Humidity, 10°C (50°F)

| Cloud Cover | RH (%) | °C | °F | Terrain Type | Grade (%) | Max Sustainable Speed (meters/second) | | | Max Sustainable Speed (kilometers/hour) | | | Max Sustainable Speed (miles/hour) | | |
|-------------|--------|----|----|--------------|-----------|---------------------------------------|------|------|---|-----|------|------------------------------------|-----|------|
| | | | | | | Risk Level | | | Risk Level | | | Risk Level | | |
| | | | | | | Low | Mod | High | Low | Mod | High | Low | Mod | High |
| Night | 25 | 10 | 50 | BLACK_TOP | -50 | 1.05 | 1.25 | 1.60 | 3.8 | 4.5 | 5.8 | 2.4 | 2.8 | 3.6 |
| Night | 25 | 10 | 50 | BLACK_TOP | -40 | 1.15 | 1.40 | 1.75 | 4.1 | 5.0 | 6.3 | 2.6 | 3.1 | 3.9 |
| Night | 25 | 10 | 50 | BLACK_TOP | -30 | 1.30 | 1.55 | 1.90 | 4.7 | 5.6 | 6.8 | 2.9 | 3.5 | 4.3 |
| Night | 25 | 10 | 50 | BLACK_TOP | -20 | 1.45 | 1.70 | 2.10 | 5.2 | 6.1 | 7.6 | 3.2 | 3.8 | 4.7 |
| Night | 25 | 10 | 50 | BLACK_TOP | -15 | 1.55 | 1.80 | 2.20 | 5.6 | 6.5 | 7.9 | 3.5 | 4.0 | 4.9 |
| Night | 25 | 10 | 50 | BLACK_TOP | -10 | 1.65 | 1.90 | 2.30 | 5.9 | 6.8 | 8.3 | 3.7 | 4.3 | 5.2 |
| Night | 25 | 10 | 50 | BLACK_TOP | -5 | 1.75 | 2.00 | 2.40 | 6.3 | 7.2 | 8.6 | 3.9 | 4.5 | 5.4 |
| Night | 25 | 10 | 50 | BLACK_TOP | 0 | 1.85 | 2.15 | 2.50 | 6.7 | 7.7 | 9.0 | 4.1 | 4.8 | 5.6 |
| Night | 25 | 10 | 50 | BLACK_TOP | 5 | 1.35 | 1.65 | 2.00 | 4.9 | 5.9 | 7.2 | 3.0 | 3.7 | 4.5 |
| Night | 25 | 10 | 50 | BLACK_TOP | 10 | 1.05 | 1.25 | 1.60 | 3.8 | 4.5 | 5.8 | 2.4 | 2.8 | 3.6 |
| Night | 25 | 10 | 50 | BLACK_TOP | 15 | 0.80 | 1.00 | 1.30 | 2.9 | 3.6 | 4.7 | 1.8 | 2.2 | 2.9 |
| Night | 25 | 10 | 50 | BLACK_TOP | 20 | 0.65 | 0.80 | 1.10 | 2.3 | 2.9 | 4.0 | 1.5 | 1.8 | 2.5 |
| Night | 25 | 10 | 50 | BLACK_TOP | 30 | 0.45 | 0.60 | 0.80 | 1.6 | 2.2 | 2.9 | 1.0 | 1.3 | 1.8 |
| Night | 25 | 10 | 50 | BLACK_TOP | 40 | 0.35 | 0.45 | 0.65 | 1.3 | 1.6 | 2.3 | 0.8 | 1.0 | 1.5 |
| Night | 25 | 10 | 50 | BLACK_TOP | 50 | 0.25 | 0.35 | 0.50 | 0.9 | 1.3 | 1.8 | 0.6 | 0.8 | 1.1 |
| Night | 25 | 10 | 50 | DIRT_ROAD | -50 | 0.95 | 1.15 | 1.50 | 3.4 | 4.1 | 5.4 | 2.1 | 2.6 | 3.4 |
| Night | 25 | 10 | 50 | DIRT_ROAD | -40 | 1.05 | 1.30 | 1.65 | 3.8 | 4.7 | 5.9 | 2.4 | 2.9 | 3.7 |
| Night | 25 | 10 | 50 | DIRT_ROAD | -30 | 1.20 | 1.45 | 1.80 | 4.3 | 5.2 | 6.5 | 2.7 | 3.2 | 4.0 |
| Night | 25 | 10 | 50 | DIRT_ROAD | -20 | 1.35 | 1.60 | 2.00 | 4.9 | 5.8 | 7.2 | 3.0 | 3.6 | 4.5 |
| Night | 25 | 10 | 50 | DIRT_ROAD | -15 | 1.45 | 1.70 | 2.10 | 5.2 | 6.1 | 7.6 | 3.2 | 3.8 | 4.7 |
| Night | 25 | 10 | 50 | DIRT_ROAD | -10 | 1.55 | 1.80 | 2.20 | 5.6 | 6.5 | 7.9 | 3.5 | 4.0 | 4.9 |
| Night | 25 | 10 | 50 | DIRT_ROAD | -5 | 1.65 | 1.90 | 2.30 | 5.9 | 6.8 | 8.3 | 3.7 | 4.3 | 5.2 |
| Night | 25 | 10 | 50 | DIRT_ROAD | 0 | 1.80 | 2.05 | 2.40 | 6.5 | 7.4 | 8.6 | 4.0 | 4.6 | 5.4 |
| Night | 25 | 10 | 50 | DIRT_ROAD | 5 | 1.30 | 1.55 | 1.90 | 4.7 | 5.6 | 6.8 | 2.9 | 3.5 | 4.3 |
| Night | 25 | 10 | 50 | DIRT_ROAD | 10 | 0.95 | 1.15 | 1.50 | 3.4 | 4.1 | 5.4 | 2.1 | 2.6 | 3.4 |
| Night | 25 | 10 | 50 | DIRT_ROAD | 15 | 0.75 | 0.95 | 1.20 | 2.7 | 3.4 | 4.3 | 1.7 | 2.1 | 2.7 |
| Night | 25 | 10 | 50 | DIRT_ROAD | 20 | 0.60 | 0.75 | 1.00 | 2.2 | 2.7 | 3.6 | 1.3 | 1.7 | 2.2 |
| Night | 25 | 10 | 50 | DIRT_ROAD | 30 | 0.40 | 0.55 | 0.75 | 1.4 | 2.0 | 2.7 | 0.9 | 1.2 | 1.7 |
| Night | 25 | 10 | 50 | DIRT_ROAD | 40 | 0.30 | 0.40 | 0.55 | 1.1 | 1.4 | 2.0 | 0.7 | 0.9 | 1.2 |
| Night | 25 | 10 | 50 | DIRT_ROAD | 50 | 0.25 | 0.35 | 0.45 | 0.9 | 1.3 | 1.6 | 0.6 | 0.8 | 1.0 |
| Night | 25 | 10 | 50 | LOOSE_SAND | -50 | 0.55 | 0.70 | 0.90 | 2.0 | 2.5 | 3.2 | 1.2 | 1.6 | 2.0 |
| Night | 25 | 10 | 50 | LOOSE_SAND | -40 | 0.65 | 0.80 | 1.05 | 2.3 | 2.9 | 3.8 | 1.5 | 1.8 | 2.4 |
| Night | 25 | 10 | 50 | LOOSE_SAND | -30 | 0.75 | 0.90 | 1.15 | 2.7 | 3.2 | 4.1 | 1.7 | 2.0 | 2.6 |
| Night | 25 | 10 | 50 | LOOSE_SAND | -20 | 0.90 | 1.05 | 1.35 | 3.2 | 3.8 | 4.9 | 2.0 | 2.4 | 3.0 |
| Night | 25 | 10 | 50 | LOOSE_SAND | -15 | 0.95 | 1.15 | 1.40 | 3.4 | 4.1 | 5.0 | 2.1 | 2.6 | 3.1 |
| Night | 25 | 10 | 50 | LOOSE_SAND | -10 | 1.05 | 1.25 | 1.50 | 3.8 | 4.5 | 5.4 | 2.4 | 2.8 | 3.4 |
| Night | 25 | 10 | 50 | LOOSE_SAND | -5 | 1.15 | 1.35 | 1.60 | 4.1 | 4.9 | 5.8 | 2.6 | 3.0 | 3.6 |
| Night | 25 | 10 | 50 | LOOSE_SAND | 0 | 1.30 | 1.45 | 1.75 | 4.7 | 5.2 | 6.3 | 2.9 | 3.2 | 3.9 |
| Night | 25 | 10 | 50 | LOOSE_SAND | 5 | 0.80 | 1.00 | 1.25 | 2.9 | 3.6 | 4.5 | 1.8 | 2.2 | 2.8 |
| Night | 25 | 10 | 50 | LOOSE_SAND | 10 | 0.55 | 0.70 | 0.90 | 2.0 | 2.5 | 3.2 | 1.2 | 1.6 | 2.0 |
| Night | 25 | 10 | 50 | LOOSE_SAND | 15 | 0.40 | 0.50 | 0.70 | 1.4 | 1.8 | 2.5 | 0.9 | 1.1 | 1.6 |
| Night | 25 | 10 | 50 | LOOSE_SAND | 20 | 0.30 | 0.40 | 0.55 | 1.1 | 1.4 | 2.0 | 0.7 | 0.9 | 1.2 |
| Night | 25 | 10 | 50 | LOOSE_SAND | 30 | 0.20 | 0.30 | 0.40 | 0.7 | 1.1 | 1.4 | 0.4 | 0.7 | 0.9 |
| Night | 25 | 10 | 50 | LOOSE_SAND | 40 | 0.15 | 0.20 | 0.30 | 0.5 | 0.7 | 1.1 | 0.3 | 0.4 | 0.7 |
| Night | 25 | 10 | 50 | LOOSE_SAND | 50 | 0.10 | 0.15 | 0.25 | 0.4 | 0.5 | 0.9 | 0.2 | 0.3 | 0.6 |

Table F-10. Maximum Sustainable Speed, Night, 25% Humidity, 15°C (59°F)

| Cloud Cover | RH (%) | °C | °F | Terrain Type | Grade (%) | Max Sustainable Speed (meters/second) | | | Max Sustainable Speed (kilometers/hour) | | | Max Sustainable Speed (miles/hour) | | |
|-------------|--------|----|----|--------------|-----------|---------------------------------------|------|------|---|-----|------|------------------------------------|-----|------|
| | | | | | | Risk Level | | | Risk Level | | | Risk Level | | |
| | | | | | | Low | Mod | High | Low | Mod | High | Low | Mod | High |
| Night | 25 | 15 | 59 | BLACK_TOP | -50 | 0.95 | 1.20 | 1.50 | 3.4 | 4.3 | 5.4 | 2.1 | 2.7 | 3.4 |
| Night | 25 | 15 | 59 | BLACK_TOP | -40 | 1.05 | 1.30 | 1.65 | 3.8 | 4.7 | 5.9 | 2.4 | 2.9 | 3.7 |
| Night | 25 | 15 | 59 | BLACK_TOP | -30 | 1.20 | 1.45 | 1.85 | 4.3 | 5.2 | 6.7 | 2.7 | 3.2 | 4.1 |
| Night | 25 | 15 | 59 | BLACK_TOP | -20 | 1.35 | 1.65 | 2.00 | 4.9 | 5.9 | 7.2 | 3.0 | 3.7 | 4.5 |
| Night | 25 | 15 | 59 | BLACK_TOP | -15 | 1.45 | 1.70 | 2.10 | 5.2 | 6.1 | 7.6 | 3.2 | 3.8 | 4.7 |
| Night | 25 | 15 | 59 | BLACK_TOP | -10 | 1.55 | 1.80 | 2.20 | 5.6 | 6.5 | 7.9 | 3.5 | 4.0 | 4.9 |
| Night | 25 | 15 | 59 | BLACK_TOP | -5 | 1.65 | 1.95 | 2.30 | 5.9 | 7.0 | 8.3 | 3.7 | 4.4 | 5.2 |
| Night | 25 | 15 | 59 | BLACK_TOP | 0 | 1.75 | 2.05 | 2.45 | 6.3 | 7.4 | 8.8 | 3.9 | 4.6 | 5.5 |
| Night | 25 | 15 | 59 | BLACK_TOP | 5 | 1.30 | 1.55 | 1.90 | 4.7 | 5.6 | 6.8 | 2.9 | 3.5 | 4.3 |
| Night | 25 | 15 | 59 | BLACK_TOP | 10 | 0.95 | 1.20 | 1.50 | 3.4 | 4.3 | 5.4 | 2.1 | 2.7 | 3.4 |
| Night | 25 | 15 | 59 | BLACK_TOP | 15 | 0.75 | 0.95 | 1.25 | 2.7 | 3.4 | 4.5 | 1.7 | 2.1 | 2.8 |
| Night | 25 | 15 | 59 | BLACK_TOP | 20 | 0.60 | 0.75 | 1.05 | 2.2 | 2.7 | 3.8 | 1.3 | 1.7 | 2.4 |
| Night | 25 | 15 | 59 | BLACK_TOP | 30 | 0.40 | 0.55 | 0.75 | 1.4 | 2.0 | 2.7 | 0.9 | 1.2 | 1.7 |
| Night | 25 | 15 | 59 | BLACK_TOP | 40 | 0.30 | 0.40 | 0.60 | 1.1 | 1.4 | 2.2 | 0.7 | 0.9 | 1.3 |
| Night | 25 | 15 | 59 | BLACK_TOP | 50 | 0.25 | 0.35 | 0.45 | 0.9 | 1.3 | 1.6 | 0.6 | 0.8 | 1.0 |
| Night | 25 | 15 | 59 | DIRT_ROAD | -50 | 0.90 | 1.10 | 1.40 | 3.2 | 4.0 | 5.0 | 2.0 | 2.5 | 3.1 |
| Night | 25 | 15 | 59 | DIRT_ROAD | -40 | 1.00 | 1.20 | 1.55 | 3.6 | 4.3 | 5.6 | 2.2 | 2.7 | 3.5 |
| Night | 25 | 15 | 59 | DIRT_ROAD | -30 | 1.10 | 1.35 | 1.70 | 4.0 | 4.9 | 6.1 | 2.5 | 3.0 | 3.8 |
| Night | 25 | 15 | 59 | DIRT_ROAD | -20 | 1.30 | 1.55 | 1.90 | 4.7 | 5.6 | 6.8 | 2.9 | 3.5 | 4.3 |
| Night | 25 | 15 | 59 | DIRT_ROAD | -15 | 1.35 | 1.65 | 2.00 | 4.9 | 5.9 | 7.2 | 3.0 | 3.7 | 4.5 |
| Night | 25 | 15 | 59 | DIRT_ROAD | -10 | 1.45 | 1.75 | 2.10 | 5.2 | 6.3 | 7.6 | 3.2 | 3.9 | 4.7 |
| Night | 25 | 15 | 59 | DIRT_ROAD | -5 | 1.55 | 1.85 | 2.20 | 5.6 | 6.7 | 7.9 | 3.5 | 4.1 | 4.9 |
| Night | 25 | 15 | 59 | DIRT_ROAD | 0 | 1.70 | 1.95 | 2.30 | 6.1 | 7.0 | 8.3 | 3.8 | 4.4 | 5.2 |
| Night | 25 | 15 | 59 | DIRT_ROAD | 5 | 1.20 | 1.45 | 1.80 | 4.3 | 5.2 | 6.5 | 2.7 | 3.2 | 4.0 |
| Night | 25 | 15 | 59 | DIRT_ROAD | 10 | 0.90 | 1.10 | 1.40 | 3.2 | 4.0 | 5.0 | 2.0 | 2.5 | 3.1 |
| Night | 25 | 15 | 59 | DIRT_ROAD | 15 | 0.65 | 0.85 | 1.15 | 2.3 | 3.1 | 4.1 | 1.5 | 1.9 | 2.6 |
| Night | 25 | 15 | 59 | DIRT_ROAD | 20 | 0.55 | 0.70 | 0.95 | 2.0 | 2.5 | 3.4 | 1.2 | 1.6 | 2.1 |
| Night | 25 | 15 | 59 | DIRT_ROAD | 30 | 0.35 | 0.50 | 0.70 | 1.3 | 1.8 | 2.5 | 0.8 | 1.1 | 1.6 |
| Night | 25 | 15 | 59 | DIRT_ROAD | 40 | 0.30 | 0.35 | 0.55 | 1.1 | 1.3 | 2.0 | 0.7 | 0.8 | 1.2 |
| Night | 25 | 15 | 59 | DIRT_ROAD | 50 | 0.20 | 0.30 | 0.45 | 0.7 | 1.1 | 1.6 | 0.4 | 0.7 | 1.0 |
| Night | 25 | 15 | 59 | LOOSE_SAND | -50 | 0.50 | 0.65 | 0.85 | 1.8 | 2.3 | 3.1 | 1.1 | 1.5 | 1.9 |
| Night | 25 | 15 | 59 | LOOSE_SAND | -40 | 0.60 | 0.75 | 0.95 | 2.2 | 2.7 | 3.4 | 1.3 | 1.7 | 2.1 |
| Night | 25 | 15 | 59 | LOOSE_SAND | -30 | 0.70 | 0.85 | 1.10 | 2.5 | 3.1 | 4.0 | 1.6 | 1.9 | 2.5 |
| Night | 25 | 15 | 59 | LOOSE_SAND | -20 | 0.85 | 1.00 | 1.25 | 3.1 | 3.6 | 4.5 | 1.9 | 2.2 | 2.8 |
| Night | 25 | 15 | 59 | LOOSE_SAND | -15 | 0.90 | 1.10 | 1.35 | 3.2 | 4.0 | 4.9 | 2.0 | 2.5 | 3.0 |
| Night | 25 | 15 | 59 | LOOSE_SAND | -10 | 1.00 | 1.20 | 1.45 | 3.6 | 4.3 | 5.2 | 2.2 | 2.7 | 3.2 |
| Night | 25 | 15 | 59 | LOOSE_SAND | -5 | 1.10 | 1.30 | 1.55 | 4.0 | 4.7 | 5.6 | 2.5 | 2.9 | 3.5 |
| Night | 25 | 15 | 59 | LOOSE_SAND | 0 | 1.20 | 1.40 | 1.65 | 4.3 | 5.0 | 5.9 | 2.7 | 3.1 | 3.7 |
| Night | 25 | 15 | 59 | LOOSE_SAND | 5 | 0.75 | 0.95 | 1.20 | 2.7 | 3.4 | 4.3 | 1.7 | 2.1 | 2.7 |
| Night | 25 | 15 | 59 | LOOSE_SAND | 10 | 0.50 | 0.65 | 0.85 | 1.8 | 2.3 | 3.1 | 1.1 | 1.5 | 1.9 |
| Night | 25 | 15 | 59 | LOOSE_SAND | 15 | 0.35 | 0.50 | 0.65 | 1.3 | 1.8 | 2.3 | 0.8 | 1.1 | 1.5 |
| Night | 25 | 15 | 59 | LOOSE_SAND | 20 | 0.30 | 0.40 | 0.50 | 1.1 | 1.4 | 1.8 | 0.7 | 0.9 | 1.1 |
| Night | 25 | 15 | 59 | LOOSE_SAND | 30 | 0.20 | 0.25 | 0.35 | 0.7 | 0.9 | 1.3 | 0.4 | 0.6 | 0.8 |
| Night | 25 | 15 | 59 | LOOSE_SAND | 40 | 0.15 | 0.20 | 0.25 | 0.5 | 0.7 | 0.9 | 0.3 | 0.4 | 0.6 |
| Night | 25 | 15 | 59 | LOOSE_SAND | 50 | 0.10 | 0.15 | 0.20 | 0.4 | 0.5 | 0.7 | 0.2 | 0.3 | 0.4 |

Table F-11. Maximum Sustainable Speed, Night, 25% Humidity, 20°C (68°F)

| Cloud Cover | RH (%) | °C | °F | Terrain Type | Grade (%) | Max Sustainable Speed (meters/second) | | | Max Sustainable Speed (kilometers/hour) | | | Max Sustainable Speed (miles/hour) | | |
|-------------|--------|----|----|--------------|-----------|---------------------------------------|------|------|---|-----|------|------------------------------------|-----|------|
| | | | | | | Risk Level | | | Risk Level | | | Risk Level | | |
| | | | | | | Low | Mod | High | Low | Mod | High | Low | Mod | High |
| Night | 25 | 20 | 68 | BLACK_TOP | -50 | 0.85 | 1.10 | 1.40 | 3.1 | 4.0 | 5.0 | 1.9 | 2.5 | 3.1 |
| Night | 25 | 20 | 68 | BLACK_TOP | -40 | 1.00 | 1.20 | 1.55 | 3.6 | 4.3 | 5.6 | 2.2 | 2.7 | 3.5 |
| Night | 25 | 20 | 68 | BLACK_TOP | -30 | 1.10 | 1.35 | 1.70 | 4.0 | 4.9 | 6.1 | 2.5 | 3.0 | 3.8 |
| Night | 25 | 20 | 68 | BLACK_TOP | -20 | 1.25 | 1.55 | 1.85 | 4.5 | 5.6 | 6.7 | 2.8 | 3.5 | 4.1 |
| Night | 25 | 20 | 68 | BLACK_TOP | -15 | 1.35 | 1.65 | 1.95 | 4.9 | 5.9 | 7.0 | 3.0 | 3.7 | 4.4 |
| Night | 25 | 20 | 68 | BLACK_TOP | -10 | 1.45 | 1.75 | 2.05 | 5.2 | 6.3 | 7.4 | 3.2 | 3.9 | 4.6 |
| Night | 25 | 20 | 68 | BLACK_TOP | -5 | 1.55 | 1.85 | 2.15 | 5.6 | 6.7 | 7.7 | 3.5 | 4.1 | 4.8 |
| Night | 25 | 20 | 68 | BLACK_TOP | 0 | 1.65 | 1.95 | 2.30 | 5.9 | 7.0 | 8.3 | 3.7 | 4.4 | 5.2 |
| Night | 25 | 20 | 68 | BLACK_TOP | 5 | 1.20 | 1.45 | 1.75 | 4.3 | 5.2 | 6.3 | 2.7 | 3.2 | 3.9 |
| Night | 25 | 20 | 68 | BLACK_TOP | 10 | 0.85 | 1.10 | 1.40 | 3.1 | 4.0 | 5.0 | 1.9 | 2.5 | 3.1 |
| Night | 25 | 20 | 68 | BLACK_TOP | 15 | 0.65 | 0.85 | 1.10 | 2.3 | 3.1 | 4.0 | 1.5 | 1.9 | 2.5 |
| Night | 25 | 20 | 68 | BLACK_TOP | 20 | 0.55 | 0.70 | 0.90 | 2.0 | 2.5 | 3.2 | 1.2 | 1.6 | 2.0 |
| Night | 25 | 20 | 68 | BLACK_TOP | 30 | 0.35 | 0.50 | 0.65 | 1.3 | 1.8 | 2.3 | 0.8 | 1.1 | 1.5 |
| Night | 25 | 20 | 68 | BLACK_TOP | 40 | 0.25 | 0.35 | 0.50 | 0.9 | 1.3 | 1.8 | 0.6 | 0.8 | 1.1 |
| Night | 25 | 20 | 68 | BLACK_TOP | 50 | 0.20 | 0.30 | 0.40 | 0.7 | 1.1 | 1.4 | 0.4 | 0.7 | 0.9 |
| Night | 25 | 20 | 68 | DIRT_ROAD | -50 | 0.80 | 1.00 | 1.30 | 2.9 | 3.6 | 4.7 | 1.8 | 2.2 | 2.9 |
| Night | 25 | 20 | 68 | DIRT_ROAD | -40 | 0.90 | 1.15 | 1.45 | 3.2 | 4.1 | 5.2 | 2.0 | 2.6 | 3.2 |
| Night | 25 | 20 | 68 | DIRT_ROAD | -30 | 1.05 | 1.30 | 1.60 | 3.8 | 4.7 | 5.8 | 2.4 | 2.9 | 3.6 |
| Night | 25 | 20 | 68 | DIRT_ROAD | -20 | 1.20 | 1.45 | 1.75 | 4.3 | 5.2 | 6.3 | 2.7 | 3.2 | 3.9 |
| Night | 25 | 20 | 68 | DIRT_ROAD | -15 | 1.30 | 1.55 | 1.85 | 4.7 | 5.6 | 6.7 | 2.9 | 3.5 | 4.1 |
| Night | 25 | 20 | 68 | DIRT_ROAD | -10 | 1.35 | 1.65 | 1.95 | 4.9 | 5.9 | 7.0 | 3.0 | 3.7 | 4.4 |
| Night | 25 | 20 | 68 | DIRT_ROAD | -5 | 1.50 | 1.75 | 2.05 | 5.4 | 6.3 | 7.4 | 3.4 | 3.9 | 4.6 |
| Night | 25 | 20 | 68 | DIRT_ROAD | 0 | 1.60 | 1.85 | 2.15 | 5.8 | 6.7 | 7.7 | 3.6 | 4.1 | 4.8 |
| Night | 25 | 20 | 68 | DIRT_ROAD | 5 | 1.10 | 1.35 | 1.65 | 4.0 | 4.9 | 5.9 | 2.5 | 3.0 | 3.7 |
| Night | 25 | 20 | 68 | DIRT_ROAD | 10 | 0.80 | 1.00 | 1.30 | 2.9 | 3.6 | 4.7 | 1.8 | 2.2 | 2.9 |
| Night | 25 | 20 | 68 | DIRT_ROAD | 15 | 0.60 | 0.80 | 1.05 | 2.2 | 2.9 | 3.8 | 1.3 | 1.8 | 2.4 |
| Night | 25 | 20 | 68 | DIRT_ROAD | 20 | 0.50 | 0.65 | 0.85 | 1.8 | 2.3 | 3.1 | 1.1 | 1.5 | 1.9 |
| Night | 25 | 20 | 68 | DIRT_ROAD | 30 | 0.35 | 0.45 | 0.60 | 1.3 | 1.6 | 2.2 | 0.8 | 1.0 | 1.3 |
| Night | 25 | 20 | 68 | DIRT_ROAD | 40 | 0.25 | 0.35 | 0.45 | 0.9 | 1.3 | 1.6 | 0.6 | 0.8 | 1.0 |
| Night | 25 | 20 | 68 | DIRT_ROAD | 50 | 0.20 | 0.25 | 0.35 | 0.7 | 0.9 | 1.3 | 0.4 | 0.6 | 0.8 |
| Night | 25 | 20 | 68 | LOOSE_SAND | -50 | 0.45 | 0.60 | 0.80 | 1.6 | 2.2 | 2.9 | 1.0 | 1.3 | 1.8 |
| Night | 25 | 20 | 68 | LOOSE_SAND | -40 | 0.55 | 0.70 | 0.90 | 2.0 | 2.5 | 3.2 | 1.2 | 1.6 | 2.0 |
| Night | 25 | 20 | 68 | LOOSE_SAND | -30 | 0.65 | 0.80 | 1.00 | 2.3 | 2.9 | 3.6 | 1.5 | 1.8 | 2.2 |
| Night | 25 | 20 | 68 | LOOSE_SAND | -20 | 0.75 | 0.95 | 1.15 | 2.7 | 3.4 | 4.1 | 1.7 | 2.1 | 2.6 |
| Night | 25 | 20 | 68 | LOOSE_SAND | -15 | 0.85 | 1.05 | 1.25 | 3.1 | 3.8 | 4.5 | 1.9 | 2.4 | 2.8 |
| Night | 25 | 20 | 68 | LOOSE_SAND | -10 | 0.95 | 1.10 | 1.35 | 3.4 | 4.0 | 4.9 | 2.1 | 2.5 | 3.0 |
| Night | 25 | 20 | 68 | LOOSE_SAND | -5 | 1.05 | 1.20 | 1.45 | 3.8 | 4.3 | 5.2 | 2.4 | 2.7 | 3.2 |
| Night | 25 | 20 | 68 | LOOSE_SAND | 0 | 1.15 | 1.35 | 1.55 | 4.1 | 4.9 | 5.6 | 2.6 | 3.0 | 3.5 |
| Night | 25 | 20 | 68 | LOOSE_SAND | 5 | 0.70 | 0.85 | 1.10 | 2.5 | 3.1 | 4.0 | 1.6 | 1.9 | 2.5 |
| Night | 25 | 20 | 68 | LOOSE_SAND | 10 | 0.45 | 0.60 | 0.80 | 1.6 | 2.2 | 2.9 | 1.0 | 1.3 | 1.8 |
| Night | 25 | 20 | 68 | LOOSE_SAND | 15 | 0.35 | 0.45 | 0.60 | 1.3 | 1.6 | 2.2 | 0.8 | 1.0 | 1.3 |
| Night | 25 | 20 | 68 | LOOSE_SAND | 20 | 0.25 | 0.35 | 0.45 | 0.9 | 1.3 | 1.6 | 0.6 | 0.8 | 1.0 |
| Night | 25 | 20 | 68 | LOOSE_SAND | 30 | 0.15 | 0.25 | 0.30 | 0.5 | 0.9 | 1.1 | 0.3 | 0.6 | 0.7 |
| Night | 25 | 20 | 68 | LOOSE_SAND | 40 | 0.10 | 0.15 | 0.25 | 0.4 | 0.5 | 0.9 | 0.2 | 0.3 | 0.6 |
| Night | 25 | 20 | 68 | LOOSE_SAND | 50 | 0.10 | 0.15 | 0.20 | 0.4 | 0.5 | 0.7 | 0.2 | 0.3 | 0.4 |

Table F-12. Maximum Sustainable Speed, Night, 25% Humidity, 25°C (77°F)

| Cloud Cover | RH (%) | °C | °F | Terrain Type | Grade (%) | Max Sustainable Speed (meters/second) | | | Max Sustainable Speed (kilometers/hour) | | | Max Sustainable Speed (miles/hour) | | |
|-------------|--------|----|----|--------------|-----------|---------------------------------------|------|------|---|-----|------|------------------------------------|-----|------|
| | | | | | | Risk Level | | | Risk Level | | | Risk Level | | |
| | | | | | | Low | Mod | High | Low | Mod | High | Low | Mod | High |
| Night | 25 | 25 | 77 | BLACK_TOP | -50 | 0.80 | 1.00 | 1.25 | 2.9 | 3.6 | 4.5 | 1.8 | 2.2 | 2.8 |
| Night | 25 | 25 | 77 | BLACK_TOP | -40 | 0.90 | 1.15 | 1.40 | 3.2 | 4.1 | 5.0 | 2.0 | 2.6 | 3.1 |
| Night | 25 | 25 | 77 | BLACK_TOP | -30 | 1.00 | 1.25 | 1.55 | 3.6 | 4.5 | 5.6 | 2.2 | 2.8 | 3.5 |
| Night | 25 | 25 | 77 | BLACK_TOP | -20 | 1.15 | 1.45 | 1.70 | 4.1 | 5.2 | 6.1 | 2.6 | 3.2 | 3.8 |
| Night | 25 | 25 | 77 | BLACK_TOP | -15 | 1.25 | 1.55 | 1.80 | 4.5 | 5.6 | 6.5 | 2.8 | 3.5 | 4.0 |
| Night | 25 | 25 | 77 | BLACK_TOP | -10 | 1.35 | 1.65 | 1.90 | 4.9 | 5.9 | 6.8 | 3.0 | 3.7 | 4.3 |
| Night | 25 | 25 | 77 | BLACK_TOP | -5 | 1.45 | 1.75 | 2.00 | 5.2 | 6.3 | 7.2 | 3.2 | 3.9 | 4.5 |
| Night | 25 | 25 | 77 | BLACK_TOP | 0 | 1.55 | 1.85 | 2.10 | 5.6 | 6.7 | 7.6 | 3.5 | 4.1 | 4.7 |
| Night | 25 | 25 | 77 | BLACK_TOP | 5 | 1.10 | 1.35 | 1.60 | 4.0 | 4.9 | 5.8 | 2.5 | 3.0 | 3.6 |
| Night | 25 | 25 | 77 | BLACK_TOP | 10 | 0.80 | 1.00 | 1.25 | 2.9 | 3.6 | 4.5 | 1.8 | 2.2 | 2.8 |
| Night | 25 | 25 | 77 | BLACK_TOP | 15 | 0.60 | 0.80 | 1.00 | 2.2 | 2.9 | 3.6 | 1.3 | 1.8 | 2.2 |
| Night | 25 | 25 | 77 | BLACK_TOP | 20 | 0.45 | 0.65 | 0.80 | 1.6 | 2.3 | 2.9 | 1.0 | 1.5 | 1.8 |
| Night | 25 | 25 | 77 | BLACK_TOP | 30 | 0.30 | 0.45 | 0.60 | 1.1 | 1.6 | 2.2 | 0.7 | 1.0 | 1.3 |
| Night | 25 | 25 | 77 | BLACK_TOP | 40 | 0.25 | 0.35 | 0.45 | 0.9 | 1.3 | 1.6 | 0.6 | 0.8 | 1.0 |
| Night | 25 | 25 | 77 | BLACK_TOP | 50 | 0.20 | 0.25 | 0.35 | 0.7 | 0.9 | 1.3 | 0.4 | 0.6 | 0.8 |
| Night | 25 | 25 | 77 | DIRT_ROAD | -50 | 0.70 | 0.95 | 1.15 | 2.5 | 3.4 | 4.1 | 1.6 | 2.1 | 2.6 |
| Night | 25 | 25 | 77 | DIRT_ROAD | -40 | 0.80 | 1.05 | 1.30 | 2.9 | 3.8 | 4.7 | 1.8 | 2.4 | 2.9 |
| Night | 25 | 25 | 77 | DIRT_ROAD | -30 | 0.95 | 1.20 | 1.45 | 3.4 | 4.3 | 5.2 | 2.1 | 2.7 | 3.2 |
| Night | 25 | 25 | 77 | DIRT_ROAD | -20 | 1.10 | 1.35 | 1.60 | 4.0 | 4.9 | 5.8 | 2.5 | 3.0 | 3.6 |
| Night | 25 | 25 | 77 | DIRT_ROAD | -15 | 1.20 | 1.45 | 1.70 | 4.3 | 5.2 | 6.1 | 2.7 | 3.2 | 3.8 |
| Night | 25 | 25 | 77 | DIRT_ROAD | -10 | 1.30 | 1.55 | 1.80 | 4.7 | 5.6 | 6.5 | 2.9 | 3.5 | 4.0 |
| Night | 25 | 25 | 77 | DIRT_ROAD | -5 | 1.40 | 1.65 | 1.90 | 5.0 | 5.9 | 6.8 | 3.1 | 3.7 | 4.3 |
| Night | 25 | 25 | 77 | DIRT_ROAD | 0 | 1.50 | 1.75 | 2.00 | 5.4 | 6.3 | 7.2 | 3.4 | 3.9 | 4.5 |
| Night | 25 | 25 | 77 | DIRT_ROAD | 5 | 1.00 | 1.25 | 1.50 | 3.6 | 4.5 | 5.4 | 2.2 | 2.8 | 3.4 |
| Night | 25 | 25 | 77 | DIRT_ROAD | 10 | 0.70 | 0.95 | 1.15 | 2.5 | 3.4 | 4.1 | 1.6 | 2.1 | 2.6 |
| Night | 25 | 25 | 77 | DIRT_ROAD | 15 | 0.55 | 0.70 | 0.90 | 2.0 | 2.5 | 3.2 | 1.2 | 1.6 | 2.0 |
| Night | 25 | 25 | 77 | DIRT_ROAD | 20 | 0.40 | 0.60 | 0.75 | 1.4 | 2.2 | 2.7 | 0.9 | 1.3 | 1.7 |
| Night | 25 | 25 | 77 | DIRT_ROAD | 30 | 0.30 | 0.40 | 0.55 | 1.1 | 1.4 | 2.0 | 0.7 | 0.9 | 1.2 |
| Night | 25 | 25 | 77 | DIRT_ROAD | 40 | 0.20 | 0.30 | 0.40 | 0.7 | 1.1 | 1.4 | 0.4 | 0.7 | 0.9 |
| Night | 25 | 25 | 77 | DIRT_ROAD | 50 | 0.15 | 0.25 | 0.30 | 0.5 | 0.9 | 1.1 | 0.3 | 0.6 | 0.7 |
| Night | 25 | 25 | 77 | LOOSE_SAND | -50 | 0.40 | 0.55 | 0.70 | 1.4 | 2.0 | 2.5 | 0.9 | 1.2 | 1.6 |
| Night | 25 | 25 | 77 | LOOSE_SAND | -40 | 0.50 | 0.65 | 0.80 | 1.8 | 2.3 | 2.9 | 1.1 | 1.5 | 1.8 |
| Night | 25 | 25 | 77 | LOOSE_SAND | -30 | 0.60 | 0.75 | 0.90 | 2.2 | 2.7 | 3.2 | 1.3 | 1.7 | 2.0 |
| Night | 25 | 25 | 77 | LOOSE_SAND | -20 | 0.70 | 0.90 | 1.05 | 2.5 | 3.2 | 3.8 | 1.6 | 2.0 | 2.4 |
| Night | 25 | 25 | 77 | LOOSE_SAND | -15 | 0.80 | 0.95 | 1.15 | 2.9 | 3.4 | 4.1 | 1.8 | 2.1 | 2.6 |
| Night | 25 | 25 | 77 | LOOSE_SAND | -10 | 0.85 | 1.05 | 1.25 | 3.1 | 3.8 | 4.5 | 1.9 | 2.4 | 2.8 |
| Night | 25 | 25 | 77 | LOOSE_SAND | -5 | 0.95 | 1.15 | 1.35 | 3.4 | 4.1 | 4.9 | 2.1 | 2.6 | 3.0 |
| Night | 25 | 25 | 77 | LOOSE_SAND | 0 | 1.05 | 1.25 | 1.45 | 3.8 | 4.5 | 5.2 | 2.4 | 2.8 | 3.2 |
| Night | 25 | 25 | 77 | LOOSE_SAND | 5 | 0.65 | 0.80 | 1.00 | 2.3 | 2.9 | 3.6 | 1.5 | 1.8 | 2.2 |
| Night | 25 | 25 | 77 | LOOSE_SAND | 10 | 0.40 | 0.55 | 0.70 | 1.4 | 2.0 | 2.5 | 0.9 | 1.2 | 1.6 |
| Night | 25 | 25 | 77 | LOOSE_SAND | 15 | 0.30 | 0.40 | 0.50 | 1.1 | 1.4 | 1.8 | 0.7 | 0.9 | 1.1 |
| Night | 25 | 25 | 77 | LOOSE_SAND | 20 | 0.20 | 0.30 | 0.40 | 0.7 | 1.1 | 1.4 | 0.4 | 0.7 | 0.9 |
| Night | 25 | 25 | 77 | LOOSE_SAND | 30 | 0.15 | 0.20 | 0.25 | 0.5 | 0.7 | 0.9 | 0.3 | 0.4 | 0.6 |
| Night | 25 | 25 | 77 | LOOSE_SAND | 40 | 0.10 | 0.15 | 0.20 | 0.4 | 0.5 | 0.7 | 0.2 | 0.3 | 0.4 |
| Night | 25 | 25 | 77 | LOOSE_SAND | 50 | 0.10 | 0.10 | 0.15 | 0.4 | 0.4 | 0.5 | 0.2 | 0.2 | 0.3 |

Table F-13. Maximum Sustainable Speed, Night, 25 % Humidity, 30°C (86°F)

| Cloud Cover | RH (%) | °C | °F | Terrain Type | Grade (%) | Max Sustainable Speed (meters/second) | | | Max Sustainable Speed (kilometers/hour) | | | Max Sustainable Speed (miles/hour) | | |
|-------------|--------|----|----|--------------|-----------|---------------------------------------|------|------|---|-----|------|------------------------------------|-----|------|
| | | | | | | Risk Level | | | Risk Level | | | Risk Level | | |
| | | | | | | Low | Mod | High | Low | Mod | High | Low | Mod | High |
| Night | 25 | 30 | 86 | BLACK_TOP | -50 | 0.70 | 0.95 | 1.10 | 2.5 | 3.4 | 4.0 | 1.6 | 2.1 | 2.5 |
| Night | 25 | 30 | 86 | BLACK_TOP | -40 | 0.80 | 1.05 | 1.20 | 2.9 | 3.8 | 4.3 | 1.8 | 2.4 | 2.7 |
| Night | 25 | 30 | 86 | BLACK_TOP | -30 | 0.90 | 1.20 | 1.35 | 3.2 | 4.3 | 4.9 | 2.0 | 2.7 | 3.0 |
| Night | 25 | 30 | 86 | BLACK_TOP | -20 | 1.05 | 1.35 | 1.50 | 3.8 | 4.9 | 5.4 | 2.4 | 3.0 | 3.4 |
| Night | 25 | 30 | 86 | BLACK_TOP | -15 | 1.15 | 1.45 | 1.60 | 4.1 | 5.2 | 5.8 | 2.6 | 3.2 | 3.6 |
| Night | 25 | 30 | 86 | BLACK_TOP | -10 | 1.25 | 1.55 | 1.70 | 4.5 | 5.6 | 6.1 | 2.8 | 3.5 | 3.8 |
| Night | 25 | 30 | 86 | BLACK_TOP | -5 | 1.35 | 1.65 | 1.80 | 4.9 | 5.9 | 6.5 | 3.0 | 3.7 | 4.0 |
| Night | 25 | 30 | 86 | BLACK_TOP | 0 | 1.45 | 1.75 | 1.95 | 5.2 | 6.3 | 7.0 | 3.2 | 3.9 | 4.4 |
| Night | 25 | 30 | 86 | BLACK_TOP | 5 | 1.00 | 1.25 | 1.45 | 3.6 | 4.5 | 5.2 | 2.2 | 2.8 | 3.2 |
| Night | 25 | 30 | 86 | BLACK_TOP | 10 | 0.70 | 0.95 | 1.10 | 2.5 | 3.4 | 4.0 | 1.6 | 2.1 | 2.5 |
| Night | 25 | 30 | 86 | BLACK_TOP | 15 | 0.50 | 0.70 | 0.85 | 1.8 | 2.5 | 3.1 | 1.1 | 1.6 | 1.9 |
| Night | 25 | 30 | 86 | BLACK_TOP | 20 | 0.40 | 0.55 | 0.70 | 1.4 | 2.0 | 2.5 | 0.9 | 1.2 | 1.6 |
| Night | 25 | 30 | 86 | BLACK_TOP | 30 | 0.30 | 0.40 | 0.50 | 1.1 | 1.4 | 1.8 | 0.7 | 0.9 | 1.1 |
| Night | 25 | 30 | 86 | BLACK_TOP | 40 | 0.20 | 0.30 | 0.35 | 0.7 | 1.1 | 1.3 | 0.4 | 0.7 | 0.8 |
| Night | 25 | 30 | 86 | BLACK_TOP | 50 | 0.15 | 0.25 | 0.30 | 0.5 | 0.9 | 1.1 | 0.3 | 0.6 | 0.7 |
| Night | 25 | 30 | 86 | DIRT_ROAD | -50 | 0.65 | 0.85 | 1.00 | 2.3 | 3.1 | 3.6 | 1.5 | 1.9 | 2.2 |
| Night | 25 | 30 | 86 | DIRT_ROAD | -40 | 0.75 | 0.95 | 1.15 | 2.7 | 3.4 | 4.1 | 1.7 | 2.1 | 2.6 |
| Night | 25 | 30 | 86 | DIRT_ROAD | -30 | 0.85 | 1.10 | 1.25 | 3.1 | 4.0 | 4.5 | 1.9 | 2.5 | 2.8 |
| Night | 25 | 30 | 86 | DIRT_ROAD | -20 | 1.00 | 1.25 | 1.45 | 3.6 | 4.5 | 5.2 | 2.2 | 2.8 | 3.2 |
| Night | 25 | 30 | 86 | DIRT_ROAD | -15 | 1.10 | 1.35 | 1.50 | 4.0 | 4.9 | 5.4 | 2.5 | 3.0 | 3.4 |
| Night | 25 | 30 | 86 | DIRT_ROAD | -10 | 1.15 | 1.45 | 1.60 | 4.1 | 5.2 | 5.8 | 2.6 | 3.2 | 3.6 |
| Night | 25 | 30 | 86 | DIRT_ROAD | -5 | 1.30 | 1.55 | 1.75 | 4.7 | 5.6 | 6.3 | 2.9 | 3.5 | 3.9 |
| Night | 25 | 30 | 86 | DIRT_ROAD | 0 | 1.40 | 1.65 | 1.85 | 5.0 | 5.9 | 6.7 | 3.1 | 3.7 | 4.1 |
| Night | 25 | 30 | 86 | DIRT_ROAD | 5 | 0.90 | 1.20 | 1.35 | 3.2 | 4.3 | 4.9 | 2.0 | 2.7 | 3.0 |
| Night | 25 | 30 | 86 | DIRT_ROAD | 10 | 0.65 | 0.85 | 1.00 | 2.3 | 3.1 | 3.6 | 1.5 | 1.9 | 2.2 |
| Night | 25 | 30 | 86 | DIRT_ROAD | 15 | 0.45 | 0.65 | 0.80 | 1.6 | 2.3 | 2.9 | 1.0 | 1.5 | 1.8 |
| Night | 25 | 30 | 86 | DIRT_ROAD | 20 | 0.35 | 0.50 | 0.65 | 1.3 | 1.8 | 2.3 | 0.8 | 1.1 | 1.5 |
| Night | 25 | 30 | 86 | DIRT_ROAD | 30 | 0.25 | 0.35 | 0.45 | 0.9 | 1.3 | 1.6 | 0.6 | 0.8 | 1.0 |
| Night | 25 | 30 | 86 | DIRT_ROAD | 40 | 0.20 | 0.25 | 0.35 | 0.7 | 0.9 | 1.3 | 0.4 | 0.6 | 0.8 |
| Night | 25 | 30 | 86 | DIRT_ROAD | 50 | 0.15 | 0.20 | 0.25 | 0.5 | 0.7 | 0.9 | 0.3 | 0.4 | 0.6 |
| Night | 25 | 30 | 86 | LOOSE_SAND | -50 | 0.35 | 0.50 | 0.60 | 1.3 | 1.8 | 2.2 | 0.8 | 1.1 | 1.3 |
| Night | 25 | 30 | 86 | LOOSE_SAND | -40 | 0.45 | 0.60 | 0.70 | 1.6 | 2.2 | 2.5 | 1.0 | 1.3 | 1.6 |
| Night | 25 | 30 | 86 | LOOSE_SAND | -30 | 0.50 | 0.70 | 0.80 | 1.8 | 2.5 | 2.9 | 1.1 | 1.6 | 1.8 |
| Night | 25 | 30 | 86 | LOOSE_SAND | -20 | 0.65 | 0.80 | 0.95 | 2.3 | 2.9 | 3.4 | 1.5 | 1.8 | 2.1 |
| Night | 25 | 30 | 86 | LOOSE_SAND | -15 | 0.70 | 0.90 | 1.00 | 2.5 | 3.2 | 3.6 | 1.6 | 2.0 | 2.2 |
| Night | 25 | 30 | 86 | LOOSE_SAND | -10 | 0.80 | 1.00 | 1.10 | 2.9 | 3.6 | 4.0 | 1.8 | 2.2 | 2.5 |
| Night | 25 | 30 | 86 | LOOSE_SAND | -5 | 0.90 | 1.10 | 1.20 | 3.2 | 4.0 | 4.3 | 2.0 | 2.5 | 2.7 |
| Night | 25 | 30 | 86 | LOOSE_SAND | 0 | 1.00 | 1.20 | 1.30 | 3.6 | 4.3 | 4.7 | 2.2 | 2.7 | 2.9 |
| Night | 25 | 30 | 86 | LOOSE_SAND | 5 | 0.55 | 0.75 | 0.85 | 2.0 | 2.7 | 3.1 | 1.2 | 1.7 | 1.9 |
| Night | 25 | 30 | 86 | LOOSE_SAND | 10 | 0.35 | 0.50 | 0.60 | 1.3 | 1.8 | 2.2 | 0.8 | 1.1 | 1.3 |
| Night | 25 | 30 | 86 | LOOSE_SAND | 15 | 0.25 | 0.35 | 0.45 | 0.9 | 1.3 | 1.6 | 0.6 | 0.8 | 1.0 |
| Night | 25 | 30 | 86 | LOOSE_SAND | 20 | 0.20 | 0.25 | 0.35 | 0.7 | 0.9 | 1.3 | 0.4 | 0.6 | 0.8 |
| Night | 25 | 30 | 86 | LOOSE_SAND | 30 | 0.10 | 0.20 | 0.25 | 0.4 | 0.7 | 0.9 | 0.2 | 0.4 | 0.6 |
| Night | 25 | 30 | 86 | LOOSE_SAND | 40 | 0.10 | 0.15 | 0.15 | 0.4 | 0.5 | 0.5 | 0.2 | 0.3 | 0.3 |
| Night | 25 | 30 | 86 | LOOSE_SAND | 50 | 0.05 | 0.10 | 0.15 | 0.2 | 0.4 | 0.5 | 0.1 | 0.2 | 0.3 |

Table F-14. Maximum Sustainable Speed, Night, 25% Humidity, 35°C (95°F)

| Cloud Cover | RH (%) | °C | °F | Terrain Type | Grade (%) | Max Sustainable Speed (meters/second) | | | Max Sustainable Speed (kilometers/hour) | | | Max Sustainable Speed (miles/hour) | | |
|-------------|--------|----|----|--------------|-----------|---------------------------------------|------|------|---|-----|------|------------------------------------|-----|------|
| | | | | | | Risk Level | | | Risk Level | | | Risk Level | | |
| | | | | | | Low | Mod | High | Low | Mod | High | Low | Mod | High |
| Night | 25 | 35 | 95 | BLACK_TOP | -50 | 0.60 | 0.80 | 0.90 | 2.2 | 2.9 | 3.2 | 1.3 | 1.8 | 2.0 |
| Night | 25 | 35 | 95 | BLACK_TOP | -40 | 0.70 | 0.90 | 1.00 | 2.5 | 3.2 | 3.6 | 1.6 | 2.0 | 2.2 |
| Night | 25 | 35 | 95 | BLACK_TOP | -30 | 0.80 | 1.00 | 1.15 | 2.9 | 3.6 | 4.1 | 1.8 | 2.2 | 2.6 |
| Night | 25 | 35 | 95 | BLACK_TOP | -20 | 0.95 | 1.15 | 1.30 | 3.4 | 4.1 | 4.7 | 2.1 | 2.6 | 2.9 |
| Night | 25 | 35 | 95 | BLACK_TOP | -15 | 1.05 | 1.25 | 1.40 | 3.8 | 4.5 | 5.0 | 2.4 | 2.8 | 3.1 |
| Night | 25 | 35 | 95 | BLACK_TOP | -10 | 1.15 | 1.35 | 1.50 | 4.1 | 4.9 | 5.4 | 2.6 | 3.0 | 3.4 |
| Night | 25 | 35 | 95 | BLACK_TOP | -5 | 1.25 | 1.45 | 1.60 | 4.5 | 5.2 | 5.8 | 2.8 | 3.2 | 3.6 |
| Night | 25 | 35 | 95 | BLACK_TOP | 0 | 1.35 | 1.55 | 1.70 | 4.9 | 5.6 | 6.1 | 3.0 | 3.5 | 3.8 |
| Night | 25 | 35 | 95 | BLACK_TOP | 5 | 0.90 | 1.10 | 1.25 | 3.2 | 4.0 | 4.5 | 2.0 | 2.5 | 2.8 |
| Night | 25 | 35 | 95 | BLACK_TOP | 10 | 0.60 | 0.80 | 0.90 | 2.2 | 2.9 | 3.2 | 1.3 | 1.8 | 2.0 |
| Night | 25 | 35 | 95 | BLACK_TOP | 15 | 0.45 | 0.60 | 0.70 | 1.6 | 2.2 | 2.5 | 1.0 | 1.3 | 1.6 |
| Night | 25 | 35 | 95 | BLACK_TOP | 20 | 0.35 | 0.45 | 0.55 | 1.3 | 1.6 | 2.0 | 0.8 | 1.0 | 1.2 |
| Night | 25 | 35 | 95 | BLACK_TOP | 30 | 0.25 | 0.30 | 0.40 | 0.9 | 1.1 | 1.4 | 0.6 | 0.7 | 0.9 |
| Night | 25 | 35 | 95 | BLACK_TOP | 40 | 0.15 | 0.25 | 0.30 | 0.5 | 0.9 | 1.1 | 0.3 | 0.6 | 0.7 |
| Night | 25 | 35 | 95 | BLACK_TOP | 50 | 0.15 | 0.20 | 0.25 | 0.5 | 0.7 | 0.9 | 0.3 | 0.4 | 0.6 |
| Night | 25 | 35 | 95 | DIRT_ROAD | -50 | 0.55 | 0.70 | 0.85 | 2.0 | 2.5 | 3.1 | 1.2 | 1.6 | 1.9 |
| Night | 25 | 35 | 95 | DIRT_ROAD | -40 | 0.65 | 0.80 | 0.95 | 2.3 | 2.9 | 3.4 | 1.5 | 1.8 | 2.1 |
| Night | 25 | 35 | 95 | DIRT_ROAD | -30 | 0.75 | 0.95 | 1.10 | 2.7 | 3.4 | 4.0 | 1.7 | 2.1 | 2.5 |
| Night | 25 | 35 | 95 | DIRT_ROAD | -20 | 0.90 | 1.10 | 1.25 | 3.2 | 4.0 | 4.5 | 2.0 | 2.5 | 2.8 |
| Night | 25 | 35 | 95 | DIRT_ROAD | -15 | 0.95 | 1.20 | 1.30 | 3.4 | 4.3 | 4.7 | 2.1 | 2.7 | 2.9 |
| Night | 25 | 35 | 95 | DIRT_ROAD | -10 | 1.05 | 1.25 | 1.40 | 3.8 | 4.5 | 5.0 | 2.4 | 2.8 | 3.1 |
| Night | 25 | 35 | 95 | DIRT_ROAD | -5 | 1.15 | 1.40 | 1.55 | 4.1 | 5.0 | 5.6 | 2.6 | 3.1 | 3.5 |
| Night | 25 | 35 | 95 | DIRT_ROAD | 0 | 1.30 | 1.50 | 1.65 | 4.7 | 5.4 | 5.9 | 2.9 | 3.4 | 3.7 |
| Night | 25 | 35 | 95 | DIRT_ROAD | 5 | 0.80 | 1.00 | 1.15 | 2.9 | 3.6 | 4.1 | 1.8 | 2.2 | 2.6 |
| Night | 25 | 35 | 95 | DIRT_ROAD | 10 | 0.55 | 0.70 | 0.85 | 2.0 | 2.5 | 3.1 | 1.2 | 1.6 | 1.9 |
| Night | 25 | 35 | 95 | DIRT_ROAD | 15 | 0.40 | 0.55 | 0.65 | 1.4 | 2.0 | 2.3 | 0.9 | 1.2 | 1.5 |
| Night | 25 | 35 | 95 | DIRT_ROAD | 20 | 0.30 | 0.40 | 0.50 | 1.1 | 1.4 | 1.8 | 0.7 | 0.9 | 1.1 |
| Night | 25 | 35 | 95 | DIRT_ROAD | 30 | 0.20 | 0.30 | 0.35 | 0.7 | 1.1 | 1.3 | 0.4 | 0.7 | 0.8 |
| Night | 25 | 35 | 95 | DIRT_ROAD | 40 | 0.15 | 0.20 | 0.25 | 0.5 | 0.7 | 0.9 | 0.3 | 0.4 | 0.6 |
| Night | 25 | 35 | 95 | DIRT_ROAD | 50 | 0.10 | 0.15 | 0.20 | 0.4 | 0.5 | 0.7 | 0.2 | 0.3 | 0.4 |
| Night | 25 | 35 | 95 | LOOSE_SAND | -50 | 0.30 | 0.40 | 0.50 | 1.1 | 1.4 | 1.8 | 0.7 | 0.9 | 1.1 |
| Night | 25 | 35 | 95 | LOOSE_SAND | -40 | 0.35 | 0.50 | 0.55 | 1.3 | 1.8 | 2.0 | 0.8 | 1.1 | 1.2 |
| Night | 25 | 35 | 95 | LOOSE_SAND | -30 | 0.45 | 0.60 | 0.65 | 1.6 | 2.2 | 2.3 | 1.0 | 1.3 | 1.5 |
| Night | 25 | 35 | 95 | LOOSE_SAND | -20 | 0.55 | 0.70 | 0.80 | 2.0 | 2.5 | 2.9 | 1.2 | 1.6 | 1.8 |
| Night | 25 | 35 | 95 | LOOSE_SAND | -15 | 0.65 | 0.80 | 0.90 | 2.3 | 2.9 | 3.2 | 1.5 | 1.8 | 2.0 |
| Night | 25 | 35 | 95 | LOOSE_SAND | -10 | 0.70 | 0.85 | 0.95 | 2.5 | 3.1 | 3.4 | 1.6 | 1.9 | 2.1 |
| Night | 25 | 35 | 95 | LOOSE_SAND | -5 | 0.80 | 0.95 | 1.05 | 2.9 | 3.4 | 3.8 | 1.8 | 2.1 | 2.4 |
| Night | 25 | 35 | 95 | LOOSE_SAND | 0 | 0.90 | 1.05 | 1.20 | 3.2 | 3.8 | 4.3 | 2.0 | 2.4 | 2.7 |
| Night | 25 | 35 | 95 | LOOSE_SAND | 5 | 0.50 | 0.65 | 0.75 | 1.8 | 2.3 | 2.7 | 1.1 | 1.5 | 1.7 |
| Night | 25 | 35 | 95 | LOOSE_SAND | 10 | 0.30 | 0.40 | 0.50 | 1.1 | 1.4 | 1.8 | 0.7 | 0.9 | 1.1 |
| Night | 25 | 35 | 95 | LOOSE_SAND | 15 | 0.20 | 0.30 | 0.35 | 0.7 | 1.1 | 1.3 | 0.4 | 0.7 | 0.8 |
| Night | 25 | 35 | 95 | LOOSE_SAND | 20 | 0.15 | 0.20 | 0.25 | 0.5 | 0.7 | 0.9 | 0.3 | 0.4 | 0.6 |
| Night | 25 | 35 | 95 | LOOSE_SAND | 30 | 0.10 | 0.15 | 0.20 | 0.4 | 0.5 | 0.7 | 0.2 | 0.3 | 0.4 |
| Night | 25 | 35 | 95 | LOOSE_SAND | 40 | 0.05 | 0.10 | 0.15 | 0.2 | 0.4 | 0.5 | 0.1 | 0.2 | 0.3 |
| Night | 25 | 35 | 95 | LOOSE_SAND | 50 | 0.05 | 0.10 | 0.10 | 0.2 | 0.4 | 0.4 | 0.1 | 0.2 | 0.2 |

Table F-15. Maximum Sustainable Speed, Night, 50% Humidity, 5°C (41°F)

| Cloud Cover | RH (%) | °C | °F | Terrain Type | Grade (%) | Max Sustainable Speed (meters/second) | | | Max Sustainable Speed (kilometers/hour) | | | Max Sustainable Speed (miles/hour) | | |
|-------------|--------|----|----|--------------|-----------|---------------------------------------|------|------|---|-----|------|------------------------------------|-----|------|
| | | | | | | Risk Level | | | Risk Level | | | Risk Level | | |
| | | | | | | Low | Mod | High | Low | Mod | High | Low | Mod | High |
| Night | 50 | 5 | 41 | BLACK_TOP | -50 | 1.05 | 1.35 | 1.60 | 3.8 | 4.9 | 5.8 | 2.4 | 3.0 | 3.6 |
| Night | 50 | 5 | 41 | BLACK_TOP | -40 | 1.20 | 1.45 | 1.75 | 4.3 | 5.2 | 6.3 | 2.7 | 3.2 | 3.9 |
| Night | 50 | 5 | 41 | BLACK_TOP | -30 | 1.35 | 1.60 | 1.90 | 4.9 | 5.8 | 6.8 | 3.0 | 3.6 | 4.3 |
| Night | 50 | 5 | 41 | BLACK_TOP | -20 | 1.50 | 1.80 | 2.10 | 5.4 | 6.5 | 7.6 | 3.4 | 4.0 | 4.7 |
| Night | 50 | 5 | 41 | BLACK_TOP | -15 | 1.60 | 1.90 | 2.20 | 5.8 | 6.8 | 7.9 | 3.6 | 4.3 | 4.9 |
| Night | 50 | 5 | 41 | BLACK_TOP | -10 | 1.70 | 2.00 | 2.30 | 6.1 | 7.2 | 8.3 | 3.8 | 4.5 | 5.2 |
| Night | 50 | 5 | 41 | BLACK_TOP | -5 | 1.80 | 2.10 | 2.40 | 6.5 | 7.6 | 8.6 | 4.0 | 4.7 | 5.4 |
| Night | 50 | 5 | 41 | BLACK_TOP | 0 | 1.90 | 2.20 | 2.50 | 6.8 | 7.9 | 9.0 | 4.3 | 4.9 | 5.6 |
| Night | 50 | 5 | 41 | BLACK_TOP | 5 | 1.40 | 1.70 | 2.00 | 5.0 | 6.1 | 7.2 | 3.1 | 3.8 | 4.5 |
| Night | 50 | 5 | 41 | BLACK_TOP | 10 | 1.05 | 1.35 | 1.60 | 3.8 | 4.9 | 5.8 | 2.4 | 3.0 | 3.6 |
| Night | 50 | 5 | 41 | BLACK_TOP | 15 | 0.85 | 1.05 | 1.30 | 3.1 | 3.8 | 4.7 | 1.9 | 2.4 | 2.9 |
| Night | 50 | 5 | 41 | BLACK_TOP | 20 | 0.65 | 0.90 | 1.10 | 2.3 | 3.2 | 4.0 | 1.5 | 2.0 | 2.5 |
| Night | 50 | 5 | 41 | BLACK_TOP | 30 | 0.45 | 0.65 | 0.80 | 1.6 | 2.3 | 2.9 | 1.0 | 1.5 | 1.8 |
| Night | 50 | 5 | 41 | BLACK_TOP | 40 | 0.35 | 0.50 | 0.65 | 1.3 | 1.8 | 2.3 | 0.8 | 1.1 | 1.5 |
| Night | 50 | 5 | 41 | BLACK_TOP | 50 | 0.30 | 0.40 | 0.50 | 1.1 | 1.4 | 1.8 | 0.7 | 0.9 | 1.1 |
| Night | 50 | 5 | 41 | DIRT_ROAD | -50 | 1.00 | 1.25 | 1.50 | 3.6 | 4.5 | 5.4 | 2.2 | 2.8 | 3.4 |
| Night | 50 | 5 | 41 | DIRT_ROAD | -40 | 1.10 | 1.35 | 1.65 | 4.0 | 4.9 | 5.9 | 2.5 | 3.0 | 3.7 |
| Night | 50 | 5 | 41 | DIRT_ROAD | -30 | 1.25 | 1.50 | 1.80 | 4.5 | 5.4 | 6.5 | 2.8 | 3.4 | 4.0 |
| Night | 50 | 5 | 41 | DIRT_ROAD | -20 | 1.40 | 1.70 | 2.00 | 5.0 | 6.1 | 7.2 | 3.1 | 3.8 | 4.5 |
| Night | 50 | 5 | 41 | DIRT_ROAD | -15 | 1.50 | 1.80 | 2.10 | 5.4 | 6.5 | 7.6 | 3.4 | 4.0 | 4.7 |
| Night | 50 | 5 | 41 | DIRT_ROAD | -10 | 1.60 | 1.90 | 2.20 | 5.8 | 6.8 | 7.9 | 3.6 | 4.3 | 4.9 |
| Night | 50 | 5 | 41 | DIRT_ROAD | -5 | 1.70 | 2.00 | 2.30 | 6.1 | 7.2 | 8.3 | 3.8 | 4.5 | 5.2 |
| Night | 50 | 5 | 41 | DIRT_ROAD | 0 | 1.80 | 2.10 | 2.40 | 6.5 | 7.6 | 8.6 | 4.0 | 4.7 | 5.4 |
| Night | 50 | 5 | 41 | DIRT_ROAD | 5 | 1.30 | 1.60 | 1.90 | 4.7 | 5.8 | 6.8 | 2.9 | 3.6 | 4.3 |
| Night | 50 | 5 | 41 | DIRT_ROAD | 10 | 1.00 | 1.25 | 1.50 | 3.6 | 4.5 | 5.4 | 2.2 | 2.8 | 3.4 |
| Night | 50 | 5 | 41 | DIRT_ROAD | 15 | 0.75 | 1.00 | 1.20 | 2.7 | 3.6 | 4.3 | 1.7 | 2.2 | 2.7 |
| Night | 50 | 5 | 41 | DIRT_ROAD | 20 | 0.60 | 0.80 | 1.00 | 2.2 | 2.9 | 3.6 | 1.3 | 1.8 | 2.2 |
| Night | 50 | 5 | 41 | DIRT_ROAD | 30 | 0.45 | 0.55 | 0.75 | 1.6 | 2.0 | 2.7 | 1.0 | 1.2 | 1.7 |
| Night | 50 | 5 | 41 | DIRT_ROAD | 40 | 0.30 | 0.45 | 0.55 | 1.1 | 1.6 | 2.0 | 0.7 | 1.0 | 1.2 |
| Night | 50 | 5 | 41 | DIRT_ROAD | 50 | 0.25 | 0.35 | 0.45 | 0.9 | 1.3 | 1.6 | 0.6 | 0.8 | 1.0 |
| Night | 50 | 5 | 41 | LOOSE_SAND | -50 | 0.60 | 0.75 | 0.90 | 2.2 | 2.7 | 3.2 | 1.3 | 1.7 | 2.0 |
| Night | 50 | 5 | 41 | LOOSE_SAND | -40 | 0.65 | 0.85 | 1.05 | 2.3 | 3.1 | 3.8 | 1.5 | 1.9 | 2.4 |
| Night | 50 | 5 | 41 | LOOSE_SAND | -30 | 0.80 | 0.95 | 1.15 | 2.9 | 3.4 | 4.1 | 1.8 | 2.1 | 2.6 |
| Night | 50 | 5 | 41 | LOOSE_SAND | -20 | 0.90 | 1.10 | 1.35 | 3.2 | 4.0 | 4.9 | 2.0 | 2.5 | 3.0 |
| Night | 50 | 5 | 41 | LOOSE_SAND | -15 | 1.00 | 1.20 | 1.40 | 3.6 | 4.3 | 5.0 | 2.2 | 2.7 | 3.1 |
| Night | 50 | 5 | 41 | LOOSE_SAND | -10 | 1.10 | 1.30 | 1.50 | 4.0 | 4.7 | 5.4 | 2.5 | 2.9 | 3.4 |
| Night | 50 | 5 | 41 | LOOSE_SAND | -5 | 1.20 | 1.40 | 1.60 | 4.3 | 5.0 | 5.8 | 2.7 | 3.1 | 3.6 |
| Night | 50 | 5 | 41 | LOOSE_SAND | 0 | 1.30 | 1.50 | 1.75 | 4.7 | 5.4 | 6.3 | 2.9 | 3.4 | 3.9 |
| Night | 50 | 5 | 41 | LOOSE_SAND | 5 | 0.85 | 1.05 | 1.25 | 3.1 | 3.8 | 4.5 | 1.9 | 2.4 | 2.8 |
| Night | 50 | 5 | 41 | LOOSE_SAND | 10 | 0.60 | 0.75 | 0.90 | 2.2 | 2.7 | 3.2 | 1.3 | 1.7 | 2.0 |
| Night | 50 | 5 | 41 | LOOSE_SAND | 15 | 0.40 | 0.55 | 0.70 | 1.4 | 2.0 | 2.5 | 0.9 | 1.2 | 1.6 |
| Night | 50 | 5 | 41 | LOOSE_SAND | 20 | 0.35 | 0.45 | 0.55 | 1.3 | 1.6 | 2.0 | 0.8 | 1.0 | 1.2 |
| Night | 50 | 5 | 41 | LOOSE_SAND | 30 | 0.20 | 0.30 | 0.40 | 0.7 | 1.1 | 1.4 | 0.4 | 0.7 | 0.9 |
| Night | 50 | 5 | 41 | LOOSE_SAND | 40 | 0.15 | 0.20 | 0.30 | 0.5 | 0.7 | 1.1 | 0.3 | 0.4 | 0.7 |
| Night | 50 | 5 | 41 | LOOSE_SAND | 50 | 0.10 | 0.20 | 0.25 | 0.4 | 0.7 | 0.9 | 0.2 | 0.4 | 0.6 |

Table F-16. Maximum Sustainable Speed, Night, 50% Humidity, 10°C (50°F)

| Cloud Cover | RH (%) | °C | °F | Terrain Type | Grade (%) | Max Sustainable Speed (meters/second) | | | Max Sustainable Speed (kilometers/hour) | | | Max Sustainable Speed (miles/hour) | | |
|-------------|--------|----|----|--------------|-----------|---------------------------------------|------|------|---|-----|------|------------------------------------|-----|------|
| | | | | | | Risk Level | | | Risk Level | | | Risk Level | | |
| | | | | | | Low | Mod | High | Low | Mod | High | Low | Mod | High |
| Night | 50 | 10 | 50 | BLACK_TOP | -50 | 1.00 | 1.25 | 1.60 | 3.6 | 4.5 | 5.8 | 2.2 | 2.8 | 3.6 |
| Night | 50 | 10 | 50 | BLACK_TOP | -40 | 1.15 | 1.40 | 1.75 | 4.1 | 5.0 | 6.3 | 2.6 | 3.1 | 3.9 |
| Night | 50 | 10 | 50 | BLACK_TOP | -30 | 1.30 | 1.55 | 1.90 | 4.7 | 5.6 | 6.8 | 2.9 | 3.5 | 4.3 |
| Night | 50 | 10 | 50 | BLACK_TOP | -20 | 1.45 | 1.70 | 2.10 | 5.2 | 6.1 | 7.6 | 3.2 | 3.8 | 4.7 |
| Night | 50 | 10 | 50 | BLACK_TOP | -15 | 1.55 | 1.80 | 2.20 | 5.6 | 6.5 | 7.9 | 3.5 | 4.0 | 4.9 |
| Night | 50 | 10 | 50 | BLACK_TOP | -10 | 1.65 | 1.90 | 2.30 | 5.9 | 6.8 | 8.3 | 3.7 | 4.3 | 5.2 |
| Night | 50 | 10 | 50 | BLACK_TOP | -5 | 1.75 | 2.00 | 2.40 | 6.3 | 7.2 | 8.6 | 3.9 | 4.5 | 5.4 |
| Night | 50 | 10 | 50 | BLACK_TOP | 0 | 1.85 | 2.10 | 2.50 | 6.7 | 7.6 | 9.0 | 4.1 | 4.7 | 5.6 |
| Night | 50 | 10 | 50 | BLACK_TOP | 5 | 1.35 | 1.60 | 2.00 | 4.9 | 5.8 | 7.2 | 3.0 | 3.6 | 4.5 |
| Night | 50 | 10 | 50 | BLACK_TOP | 10 | 1.00 | 1.25 | 1.60 | 3.6 | 4.5 | 5.8 | 2.2 | 2.8 | 3.6 |
| Night | 50 | 10 | 50 | BLACK_TOP | 15 | 0.80 | 1.00 | 1.30 | 2.9 | 3.6 | 4.7 | 1.8 | 2.2 | 2.9 |
| Night | 50 | 10 | 50 | BLACK_TOP | 20 | 0.65 | 0.80 | 1.10 | 2.3 | 2.9 | 4.0 | 1.5 | 1.8 | 2.5 |
| Night | 50 | 10 | 50 | BLACK_TOP | 30 | 0.45 | 0.60 | 0.80 | 1.6 | 2.2 | 2.9 | 1.0 | 1.3 | 1.8 |
| Night | 50 | 10 | 50 | BLACK_TOP | 40 | 0.35 | 0.45 | 0.65 | 1.3 | 1.6 | 2.3 | 0.8 | 1.0 | 1.5 |
| Night | 50 | 10 | 50 | BLACK_TOP | 50 | 0.25 | 0.35 | 0.50 | 0.9 | 1.3 | 1.8 | 0.6 | 0.8 | 1.1 |
| Night | 50 | 10 | 50 | DIRT_ROAD | -50 | 0.95 | 1.15 | 1.50 | 3.4 | 4.1 | 5.4 | 2.1 | 2.6 | 3.4 |
| Night | 50 | 10 | 50 | DIRT_ROAD | -40 | 1.05 | 1.30 | 1.65 | 3.8 | 4.7 | 5.9 | 2.4 | 2.9 | 3.7 |
| Night | 50 | 10 | 50 | DIRT_ROAD | -30 | 1.20 | 1.45 | 1.80 | 4.3 | 5.2 | 6.5 | 2.7 | 3.2 | 4.0 |
| Night | 50 | 10 | 50 | DIRT_ROAD | -20 | 1.35 | 1.60 | 2.00 | 4.9 | 5.8 | 7.2 | 3.0 | 3.6 | 4.5 |
| Night | 50 | 10 | 50 | DIRT_ROAD | -15 | 1.45 | 1.70 | 2.10 | 5.2 | 6.1 | 7.6 | 3.2 | 3.8 | 4.7 |
| Night | 50 | 10 | 50 | DIRT_ROAD | -10 | 1.55 | 1.80 | 2.20 | 5.6 | 6.5 | 7.9 | 3.5 | 4.0 | 4.9 |
| Night | 50 | 10 | 50 | DIRT_ROAD | -5 | 1.65 | 1.90 | 2.30 | 5.9 | 6.8 | 8.3 | 3.7 | 4.3 | 5.2 |
| Night | 50 | 10 | 50 | DIRT_ROAD | 0 | 1.75 | 2.00 | 2.40 | 6.3 | 7.2 | 8.6 | 3.9 | 4.5 | 5.4 |
| Night | 50 | 10 | 50 | DIRT_ROAD | 5 | 1.25 | 1.50 | 1.90 | 4.5 | 5.4 | 6.8 | 2.8 | 3.4 | 4.3 |
| Night | 50 | 10 | 50 | DIRT_ROAD | 10 | 0.95 | 1.15 | 1.50 | 3.4 | 4.1 | 5.4 | 2.1 | 2.6 | 3.4 |
| Night | 50 | 10 | 50 | DIRT_ROAD | 15 | 0.75 | 0.90 | 1.20 | 2.7 | 3.2 | 4.3 | 1.7 | 2.0 | 2.7 |
| Night | 50 | 10 | 50 | DIRT_ROAD | 20 | 0.60 | 0.75 | 1.00 | 2.2 | 2.7 | 3.6 | 1.3 | 1.7 | 2.2 |
| Night | 50 | 10 | 50 | DIRT_ROAD | 30 | 0.40 | 0.55 | 0.75 | 1.4 | 2.0 | 2.7 | 0.9 | 1.2 | 1.7 |
| Night | 50 | 10 | 50 | DIRT_ROAD | 40 | 0.30 | 0.40 | 0.55 | 1.1 | 1.4 | 2.0 | 0.7 | 0.9 | 1.2 |
| Night | 50 | 10 | 50 | DIRT_ROAD | 50 | 0.25 | 0.30 | 0.45 | 0.9 | 1.1 | 1.6 | 0.6 | 0.7 | 1.0 |
| Night | 50 | 10 | 50 | LOOSE_SAND | -50 | 0.55 | 0.70 | 0.90 | 2.0 | 2.5 | 3.2 | 1.2 | 1.6 | 2.0 |
| Night | 50 | 10 | 50 | LOOSE_SAND | -40 | 0.65 | 0.80 | 1.05 | 2.3 | 2.9 | 3.8 | 1.5 | 1.8 | 2.4 |
| Night | 50 | 10 | 50 | LOOSE_SAND | -30 | 0.75 | 0.90 | 1.15 | 2.7 | 3.2 | 4.1 | 1.7 | 2.0 | 2.6 |
| Night | 50 | 10 | 50 | LOOSE_SAND | -20 | 0.90 | 1.05 | 1.35 | 3.2 | 3.8 | 4.9 | 2.0 | 2.4 | 3.0 |
| Night | 50 | 10 | 50 | LOOSE_SAND | -15 | 0.95 | 1.15 | 1.40 | 3.4 | 4.1 | 5.0 | 2.1 | 2.6 | 3.1 |
| Night | 50 | 10 | 50 | LOOSE_SAND | -10 | 1.05 | 1.25 | 1.50 | 3.8 | 4.5 | 5.4 | 2.4 | 2.8 | 3.4 |
| Night | 50 | 10 | 50 | LOOSE_SAND | -5 | 1.15 | 1.35 | 1.60 | 4.1 | 4.9 | 5.8 | 2.6 | 3.0 | 3.6 |
| Night | 50 | 10 | 50 | LOOSE_SAND | 0 | 1.25 | 1.45 | 1.75 | 4.5 | 5.2 | 6.3 | 2.8 | 3.2 | 3.9 |
| Night | 50 | 10 | 50 | LOOSE_SAND | 5 | 0.80 | 1.00 | 1.25 | 2.9 | 3.6 | 4.5 | 1.8 | 2.2 | 2.8 |
| Night | 50 | 10 | 50 | LOOSE_SAND | 10 | 0.55 | 0.70 | 0.90 | 2.0 | 2.5 | 3.2 | 1.2 | 1.6 | 2.0 |
| Night | 50 | 10 | 50 | LOOSE_SAND | 15 | 0.40 | 0.50 | 0.70 | 1.4 | 1.8 | 2.5 | 0.9 | 1.1 | 1.6 |
| Night | 50 | 10 | 50 | LOOSE_SAND | 20 | 0.30 | 0.40 | 0.55 | 1.1 | 1.4 | 2.0 | 0.7 | 0.9 | 1.2 |
| Night | 50 | 10 | 50 | LOOSE_SAND | 30 | 0.20 | 0.25 | 0.40 | 0.7 | 0.9 | 1.4 | 0.4 | 0.6 | 0.9 |
| Night | 50 | 10 | 50 | LOOSE_SAND | 40 | 0.15 | 0.20 | 0.30 | 0.5 | 0.7 | 1.1 | 0.3 | 0.4 | 0.7 |
| Night | 50 | 10 | 50 | LOOSE_SAND | 50 | 0.10 | 0.15 | 0.25 | 0.4 | 0.5 | 0.9 | 0.2 | 0.3 | 0.6 |

Table F-17. Maximum Sustainable Speed, Night, 50% Humidity, 15°C (59°F)

| Cloud Cover | RH (%) | °C | °F | Terrain Type | Grade (%) | Max Sustainable Speed (meters/second) | | | Max Sustainable Speed (kilometers/hour) | | | Max Sustainable Speed (miles/hour) | | |
|-------------|--------|----|----|--------------|-----------|---------------------------------------|------|------|---|-----|------|------------------------------------|-----|------|
| | | | | | | Risk Level | | | Risk Level | | | Risk Level | | |
| | | | | | | Low | Mod | High | Low | Mod | High | Low | Mod | High |
| Night | 50 | 15 | 59 | BLACK_TOP | -50 | 0.95 | 1.15 | 1.45 | 3.4 | 4.1 | 5.2 | 2.1 | 2.6 | 3.2 |
| Night | 50 | 15 | 59 | BLACK_TOP | -40 | 1.05 | 1.30 | 1.60 | 3.8 | 4.7 | 5.8 | 2.4 | 2.9 | 3.6 |
| Night | 50 | 15 | 59 | BLACK_TOP | -30 | 1.20 | 1.45 | 1.75 | 4.3 | 5.2 | 6.3 | 2.7 | 3.2 | 3.9 |
| Night | 50 | 15 | 59 | BLACK_TOP | -20 | 1.35 | 1.60 | 1.90 | 4.9 | 5.8 | 6.8 | 3.0 | 3.6 | 4.3 |
| Night | 50 | 15 | 59 | BLACK_TOP | -15 | 1.45 | 1.70 | 2.00 | 5.2 | 6.1 | 7.2 | 3.2 | 3.8 | 4.5 |
| Night | 50 | 15 | 59 | BLACK_TOP | -10 | 1.55 | 1.80 | 2.10 | 5.6 | 6.5 | 7.6 | 3.5 | 4.0 | 4.7 |
| Night | 50 | 15 | 59 | BLACK_TOP | -5 | 1.65 | 1.90 | 2.25 | 5.9 | 6.8 | 8.1 | 3.7 | 4.3 | 5.0 |
| Night | 50 | 15 | 59 | BLACK_TOP | 0 | 1.75 | 2.00 | 2.35 | 6.3 | 7.2 | 8.5 | 3.9 | 4.5 | 5.3 |
| Night | 50 | 15 | 59 | BLACK_TOP | 5 | 1.25 | 1.50 | 1.85 | 4.5 | 5.4 | 6.7 | 2.8 | 3.4 | 4.1 |
| Night | 50 | 15 | 59 | BLACK_TOP | 10 | 0.95 | 1.15 | 1.45 | 3.4 | 4.1 | 5.2 | 2.1 | 2.6 | 3.2 |
| Night | 50 | 15 | 59 | BLACK_TOP | 15 | 0.70 | 0.90 | 1.15 | 2.5 | 3.2 | 4.1 | 1.6 | 2.0 | 2.6 |
| Night | 50 | 15 | 59 | BLACK_TOP | 20 | 0.55 | 0.75 | 0.95 | 2.0 | 2.7 | 3.4 | 1.2 | 1.7 | 2.1 |
| Night | 50 | 15 | 59 | BLACK_TOP | 30 | 0.40 | 0.55 | 0.70 | 1.4 | 2.0 | 2.5 | 0.9 | 1.2 | 1.6 |
| Night | 50 | 15 | 59 | BLACK_TOP | 40 | 0.30 | 0.40 | 0.55 | 1.1 | 1.4 | 2.0 | 0.7 | 0.9 | 1.2 |
| Night | 50 | 15 | 59 | BLACK_TOP | 50 | 0.25 | 0.30 | 0.45 | 0.9 | 1.1 | 1.6 | 0.6 | 0.7 | 1.0 |
| Night | 50 | 15 | 59 | DIRT_ROAD | -50 | 0.85 | 1.10 | 1.35 | 3.1 | 4.0 | 4.9 | 1.9 | 2.5 | 3.0 |
| Night | 50 | 15 | 59 | DIRT_ROAD | -40 | 0.95 | 1.20 | 1.50 | 3.4 | 4.3 | 5.4 | 2.1 | 2.7 | 3.4 |
| Night | 50 | 15 | 59 | DIRT_ROAD | -30 | 1.10 | 1.35 | 1.65 | 4.0 | 4.9 | 5.9 | 2.5 | 3.0 | 3.7 |
| Night | 50 | 15 | 59 | DIRT_ROAD | -20 | 1.25 | 1.50 | 1.80 | 4.5 | 5.4 | 6.5 | 2.8 | 3.4 | 4.0 |
| Night | 50 | 15 | 59 | DIRT_ROAD | -15 | 1.35 | 1.60 | 1.90 | 4.9 | 5.8 | 6.8 | 3.0 | 3.6 | 4.3 |
| Night | 50 | 15 | 59 | DIRT_ROAD | -10 | 1.45 | 1.70 | 2.00 | 5.2 | 6.1 | 7.2 | 3.2 | 3.8 | 4.5 |
| Night | 50 | 15 | 59 | DIRT_ROAD | -5 | 1.55 | 1.80 | 2.10 | 5.6 | 6.5 | 7.6 | 3.5 | 4.0 | 4.7 |
| Night | 50 | 15 | 59 | DIRT_ROAD | 0 | 1.65 | 1.95 | 2.25 | 5.9 | 7.0 | 8.1 | 3.7 | 4.4 | 5.0 |
| Night | 50 | 15 | 59 | DIRT_ROAD | 5 | 1.20 | 1.45 | 1.70 | 4.3 | 5.2 | 6.1 | 2.7 | 3.2 | 3.8 |
| Night | 50 | 15 | 59 | DIRT_ROAD | 10 | 0.85 | 1.10 | 1.35 | 3.1 | 4.0 | 4.9 | 1.9 | 2.5 | 3.0 |
| Night | 50 | 15 | 59 | DIRT_ROAD | 15 | 0.65 | 0.85 | 1.10 | 2.3 | 3.1 | 4.0 | 1.5 | 1.9 | 2.5 |
| Night | 50 | 15 | 59 | DIRT_ROAD | 20 | 0.50 | 0.70 | 0.90 | 1.8 | 2.5 | 3.2 | 1.1 | 1.6 | 2.0 |
| Night | 50 | 15 | 59 | DIRT_ROAD | 30 | 0.35 | 0.50 | 0.65 | 1.3 | 1.8 | 2.3 | 0.8 | 1.1 | 1.5 |
| Night | 50 | 15 | 59 | DIRT_ROAD | 40 | 0.25 | 0.35 | 0.50 | 0.9 | 1.3 | 1.8 | 0.6 | 0.8 | 1.1 |
| Night | 50 | 15 | 59 | DIRT_ROAD | 50 | 0.20 | 0.30 | 0.40 | 0.7 | 1.1 | 1.4 | 0.4 | 0.7 | 0.9 |
| Night | 50 | 15 | 59 | LOOSE_SAND | -50 | 0.50 | 0.65 | 0.80 | 1.8 | 2.3 | 2.9 | 1.1 | 1.5 | 1.8 |
| Night | 50 | 15 | 59 | LOOSE_SAND | -40 | 0.60 | 0.75 | 0.90 | 2.2 | 2.7 | 3.2 | 1.3 | 1.7 | 2.0 |
| Night | 50 | 15 | 59 | LOOSE_SAND | -30 | 0.70 | 0.85 | 1.05 | 2.5 | 3.1 | 3.8 | 1.6 | 1.9 | 2.4 |
| Night | 50 | 15 | 59 | LOOSE_SAND | -20 | 0.80 | 1.00 | 1.20 | 2.9 | 3.6 | 4.3 | 1.8 | 2.2 | 2.7 |
| Night | 50 | 15 | 59 | LOOSE_SAND | -15 | 0.90 | 1.10 | 1.30 | 3.2 | 4.0 | 4.7 | 2.0 | 2.5 | 2.9 |
| Night | 50 | 15 | 59 | LOOSE_SAND | -10 | 1.00 | 1.15 | 1.40 | 3.6 | 4.1 | 5.0 | 2.2 | 2.6 | 3.1 |
| Night | 50 | 15 | 59 | LOOSE_SAND | -5 | 1.10 | 1.25 | 1.50 | 4.0 | 4.5 | 5.4 | 2.5 | 2.8 | 3.4 |
| Night | 50 | 15 | 59 | LOOSE_SAND | 0 | 1.20 | 1.40 | 1.60 | 4.3 | 5.0 | 5.8 | 2.7 | 3.1 | 3.6 |
| Night | 50 | 15 | 59 | LOOSE_SAND | 5 | 0.75 | 0.90 | 1.10 | 2.7 | 3.2 | 4.0 | 1.7 | 2.0 | 2.5 |
| Night | 50 | 15 | 59 | LOOSE_SAND | 10 | 0.50 | 0.65 | 0.80 | 1.8 | 2.3 | 2.9 | 1.1 | 1.5 | 1.8 |
| Night | 50 | 15 | 59 | LOOSE_SAND | 15 | 0.35 | 0.45 | 0.60 | 1.3 | 1.6 | 2.2 | 0.8 | 1.0 | 1.3 |
| Night | 50 | 15 | 59 | LOOSE_SAND | 20 | 0.30 | 0.35 | 0.50 | 1.1 | 1.3 | 1.8 | 0.7 | 0.8 | 1.1 |
| Night | 50 | 15 | 59 | LOOSE_SAND | 30 | 0.20 | 0.25 | 0.35 | 0.7 | 0.9 | 1.3 | 0.4 | 0.6 | 0.8 |
| Night | 50 | 15 | 59 | LOOSE_SAND | 40 | 0.15 | 0.20 | 0.25 | 0.5 | 0.7 | 0.9 | 0.3 | 0.4 | 0.6 |
| Night | 50 | 15 | 59 | LOOSE_SAND | 50 | 0.10 | 0.15 | 0.20 | 0.4 | 0.5 | 0.7 | 0.2 | 0.3 | 0.4 |

Table F-18. Maximum Sustainable Speed, Night, 50% Humidity, 20°C (68°F)

| Cloud Cover | RH (%) | °C | °F | Terrain Type | Grade (%) | Max Sustainable Speed (meters/second) | | | Max Sustainable Speed (kilometers/hour) | | | Max Sustainable Speed (miles/hour) | | |
|-------------|--------|----|----|--------------|-----------|---------------------------------------|------|------|---|-----|------|------------------------------------|-----|------|
| | | | | | | Risk Level | | | Risk Level | | | Risk Level | | |
| | | | | | | Low | Mod | High | Low | Mod | High | Low | Mod | High |
| Night | 50 | 20 | 68 | BLACK_TOP | -50 | 0.85 | 1.10 | 1.30 | 3.1 | 4.0 | 4.7 | 1.9 | 2.5 | 2.9 |
| Night | 50 | 20 | 68 | BLACK_TOP | -40 | 0.95 | 1.20 | 1.40 | 3.4 | 4.3 | 5.0 | 2.1 | 2.7 | 3.1 |
| Night | 50 | 20 | 68 | BLACK_TOP | -30 | 1.10 | 1.35 | 1.55 | 4.0 | 4.9 | 5.6 | 2.5 | 3.0 | 3.5 |
| Night | 50 | 20 | 68 | BLACK_TOP | -20 | 1.25 | 1.50 | 1.75 | 4.5 | 5.4 | 6.3 | 2.8 | 3.4 | 3.9 |
| Night | 50 | 20 | 68 | BLACK_TOP | -15 | 1.35 | 1.60 | 1.85 | 4.9 | 5.8 | 6.7 | 3.0 | 3.6 | 4.1 |
| Night | 50 | 20 | 68 | BLACK_TOP | -10 | 1.45 | 1.70 | 1.95 | 5.2 | 6.1 | 7.0 | 3.2 | 3.8 | 4.4 |
| Night | 50 | 20 | 68 | BLACK_TOP | -5 | 1.55 | 1.80 | 2.05 | 5.6 | 6.5 | 7.4 | 3.5 | 4.0 | 4.6 |
| Night | 50 | 20 | 68 | BLACK_TOP | 0 | 1.65 | 1.90 | 2.15 | 5.9 | 6.8 | 7.7 | 3.7 | 4.3 | 4.8 |
| Night | 50 | 20 | 68 | BLACK_TOP | 5 | 1.15 | 1.40 | 1.65 | 4.1 | 5.0 | 5.9 | 2.6 | 3.1 | 3.7 |
| Night | 50 | 20 | 68 | BLACK_TOP | 10 | 0.85 | 1.10 | 1.30 | 3.1 | 4.0 | 4.7 | 1.9 | 2.5 | 2.9 |
| Night | 50 | 20 | 68 | BLACK_TOP | 15 | 0.65 | 0.85 | 1.00 | 2.3 | 3.1 | 3.6 | 1.5 | 1.9 | 2.2 |
| Night | 50 | 20 | 68 | BLACK_TOP | 20 | 0.50 | 0.70 | 0.85 | 1.8 | 2.5 | 3.1 | 1.1 | 1.6 | 1.9 |
| Night | 50 | 20 | 68 | BLACK_TOP | 30 | 0.35 | 0.50 | 0.60 | 1.3 | 1.8 | 2.2 | 0.8 | 1.1 | 1.3 |
| Night | 50 | 20 | 68 | BLACK_TOP | 40 | 0.25 | 0.35 | 0.45 | 0.9 | 1.3 | 1.6 | 0.6 | 0.8 | 1.0 |
| Night | 50 | 20 | 68 | BLACK_TOP | 50 | 0.20 | 0.30 | 0.35 | 0.7 | 1.1 | 1.3 | 0.4 | 0.7 | 0.8 |
| Night | 50 | 20 | 68 | DIRT_ROAD | -50 | 0.80 | 1.00 | 1.20 | 2.9 | 3.6 | 4.3 | 1.8 | 2.2 | 2.7 |
| Night | 50 | 20 | 68 | DIRT_ROAD | -40 | 0.90 | 1.10 | 1.30 | 3.2 | 4.0 | 4.7 | 2.0 | 2.5 | 2.9 |
| Night | 50 | 20 | 68 | DIRT_ROAD | -30 | 1.00 | 1.25 | 1.45 | 3.6 | 4.5 | 5.2 | 2.2 | 2.8 | 3.2 |
| Night | 50 | 20 | 68 | DIRT_ROAD | -20 | 1.15 | 1.40 | 1.65 | 4.1 | 5.0 | 5.9 | 2.6 | 3.1 | 3.7 |
| Night | 50 | 20 | 68 | DIRT_ROAD | -15 | 1.25 | 1.50 | 1.75 | 4.5 | 5.4 | 6.3 | 2.8 | 3.4 | 3.9 |
| Night | 50 | 20 | 68 | DIRT_ROAD | -10 | 1.35 | 1.60 | 1.85 | 4.9 | 5.8 | 6.7 | 3.0 | 3.6 | 4.1 |
| Night | 50 | 20 | 68 | DIRT_ROAD | -5 | 1.45 | 1.70 | 1.95 | 5.2 | 6.1 | 7.0 | 3.2 | 3.8 | 4.4 |
| Night | 50 | 20 | 68 | DIRT_ROAD | 0 | 1.55 | 1.85 | 2.05 | 5.6 | 6.7 | 7.4 | 3.5 | 4.1 | 4.6 |
| Night | 50 | 20 | 68 | DIRT_ROAD | 5 | 1.10 | 1.35 | 1.55 | 4.0 | 4.9 | 5.6 | 2.5 | 3.0 | 3.5 |
| Night | 50 | 20 | 68 | DIRT_ROAD | 10 | 0.80 | 1.00 | 1.20 | 2.9 | 3.6 | 4.3 | 1.8 | 2.2 | 2.7 |
| Night | 50 | 20 | 68 | DIRT_ROAD | 15 | 0.60 | 0.75 | 0.95 | 2.2 | 2.7 | 3.4 | 1.3 | 1.7 | 2.1 |
| Night | 50 | 20 | 68 | DIRT_ROAD | 20 | 0.45 | 0.60 | 0.75 | 1.6 | 2.2 | 2.7 | 1.0 | 1.3 | 1.7 |
| Night | 50 | 20 | 68 | DIRT_ROAD | 30 | 0.30 | 0.45 | 0.55 | 1.1 | 1.6 | 2.0 | 0.7 | 1.0 | 1.2 |
| Night | 50 | 20 | 68 | DIRT_ROAD | 40 | 0.25 | 0.35 | 0.40 | 0.9 | 1.3 | 1.4 | 0.6 | 0.8 | 0.9 |
| Night | 50 | 20 | 68 | DIRT_ROAD | 50 | 0.20 | 0.25 | 0.35 | 0.7 | 0.9 | 1.3 | 0.4 | 0.6 | 0.8 |
| Night | 50 | 20 | 68 | LOOSE_SAND | -50 | 0.45 | 0.60 | 0.70 | 1.6 | 2.2 | 2.5 | 1.0 | 1.3 | 1.6 |
| Night | 50 | 20 | 68 | LOOSE_SAND | -40 | 0.55 | 0.70 | 0.80 | 2.0 | 2.5 | 2.9 | 1.2 | 1.6 | 1.8 |
| Night | 50 | 20 | 68 | LOOSE_SAND | -30 | 0.60 | 0.80 | 0.95 | 2.2 | 2.9 | 3.4 | 1.3 | 1.8 | 2.1 |
| Night | 50 | 20 | 68 | LOOSE_SAND | -20 | 0.75 | 0.95 | 1.10 | 2.7 | 3.4 | 4.0 | 1.7 | 2.1 | 2.5 |
| Night | 50 | 20 | 68 | LOOSE_SAND | -15 | 0.85 | 1.00 | 1.15 | 3.1 | 3.6 | 4.1 | 1.9 | 2.2 | 2.6 |
| Night | 50 | 20 | 68 | LOOSE_SAND | -10 | 0.90 | 1.10 | 1.25 | 3.2 | 4.0 | 4.5 | 2.0 | 2.5 | 2.8 |
| Night | 50 | 20 | 68 | LOOSE_SAND | -5 | 1.00 | 1.20 | 1.35 | 3.6 | 4.3 | 4.9 | 2.2 | 2.7 | 3.0 |
| Night | 50 | 20 | 68 | LOOSE_SAND | 0 | 1.15 | 1.30 | 1.50 | 4.1 | 4.7 | 5.4 | 2.6 | 2.9 | 3.4 |
| Night | 50 | 20 | 68 | LOOSE_SAND | 5 | 0.70 | 0.85 | 1.00 | 2.5 | 3.1 | 3.6 | 1.6 | 1.9 | 2.2 |
| Night | 50 | 20 | 68 | LOOSE_SAND | 10 | 0.45 | 0.60 | 0.70 | 1.6 | 2.2 | 2.5 | 1.0 | 1.3 | 1.6 |
| Night | 50 | 20 | 68 | LOOSE_SAND | 15 | 0.30 | 0.45 | 0.55 | 1.1 | 1.6 | 2.0 | 0.7 | 1.0 | 1.2 |
| Night | 50 | 20 | 68 | LOOSE_SAND | 20 | 0.25 | 0.35 | 0.40 | 0.9 | 1.3 | 1.4 | 0.6 | 0.8 | 0.9 |
| Night | 50 | 20 | 68 | LOOSE_SAND | 30 | 0.15 | 0.20 | 0.30 | 0.5 | 0.7 | 1.1 | 0.3 | 0.4 | 0.7 |
| Night | 50 | 20 | 68 | LOOSE_SAND | 40 | 0.10 | 0.15 | 0.20 | 0.4 | 0.5 | 0.7 | 0.2 | 0.3 | 0.4 |
| Night | 50 | 20 | 68 | LOOSE_SAND | 50 | 0.10 | 0.15 | 0.15 | 0.4 | 0.5 | 0.5 | 0.2 | 0.3 | 0.3 |

Table F-19. Maximum Sustainable Speed, Night, 50% Humidity, 25°C (77°F)

| Cloud Cover | RH (%) | °C | °F | Terrain Type | Grade (%) | Max Sustainable Speed (meters/second) | | | Max Sustainable Speed (kilometers/hour) | | | Max Sustainable Speed (miles/hour) | | |
|-------------|--------|----|----|--------------|-----------|---------------------------------------|------|------|---|-----|------|------------------------------------|-----|------|
| | | | | | | Risk Level | | | Risk Level | | | Risk Level | | |
| | | | | | | Low | Mod | High | Low | Mod | High | Low | Mod | High |
| Night | 50 | 25 | 77 | BLACK_TOP | -50 | 0.75 | 0.95 | 1.10 | 2.7 | 3.4 | 4.0 | 1.7 | 2.1 | 2.5 |
| Night | 50 | 25 | 77 | BLACK_TOP | -40 | 0.85 | 1.05 | 1.20 | 3.1 | 3.8 | 4.3 | 1.9 | 2.4 | 2.7 |
| Night | 50 | 25 | 77 | BLACK_TOP | -30 | 1.00 | 1.20 | 1.35 | 3.6 | 4.3 | 4.9 | 2.2 | 2.7 | 3.0 |
| Night | 50 | 25 | 77 | BLACK_TOP | -20 | 1.15 | 1.35 | 1.55 | 4.1 | 4.9 | 5.6 | 2.6 | 3.0 | 3.5 |
| Night | 50 | 25 | 77 | BLACK_TOP | -15 | 1.20 | 1.45 | 1.60 | 4.3 | 5.2 | 5.8 | 2.7 | 3.2 | 3.6 |
| Night | 50 | 25 | 77 | BLACK_TOP | -10 | 1.30 | 1.55 | 1.70 | 4.7 | 5.6 | 6.1 | 2.9 | 3.5 | 3.8 |
| Night | 50 | 25 | 77 | BLACK_TOP | -5 | 1.40 | 1.65 | 1.85 | 5.0 | 5.9 | 6.7 | 3.1 | 3.7 | 4.1 |
| Night | 50 | 25 | 77 | BLACK_TOP | 0 | 1.55 | 1.80 | 1.95 | 5.6 | 6.5 | 7.0 | 3.5 | 4.0 | 4.4 |
| Night | 50 | 25 | 77 | BLACK_TOP | 5 | 1.05 | 1.30 | 1.45 | 3.8 | 4.7 | 5.2 | 2.4 | 2.9 | 3.2 |
| Night | 50 | 25 | 77 | BLACK_TOP | 10 | 0.75 | 0.95 | 1.10 | 2.7 | 3.4 | 4.0 | 1.7 | 2.1 | 2.5 |
| Night | 50 | 25 | 77 | BLACK_TOP | 15 | 0.55 | 0.75 | 0.85 | 2.0 | 2.7 | 3.1 | 1.2 | 1.7 | 1.9 |
| Night | 50 | 25 | 77 | BLACK_TOP | 20 | 0.45 | 0.60 | 0.70 | 1.6 | 2.2 | 2.5 | 1.0 | 1.3 | 1.6 |
| Night | 50 | 25 | 77 | BLACK_TOP | 30 | 0.30 | 0.40 | 0.50 | 1.1 | 1.4 | 1.8 | 0.7 | 0.9 | 1.1 |
| Night | 50 | 25 | 77 | BLACK_TOP | 40 | 0.25 | 0.30 | 0.35 | 0.9 | 1.1 | 1.3 | 0.6 | 0.7 | 0.8 |
| Night | 50 | 25 | 77 | BLACK_TOP | 50 | 0.20 | 0.25 | 0.30 | 0.7 | 0.9 | 1.1 | 0.4 | 0.6 | 0.7 |
| Night | 50 | 25 | 77 | DIRT_ROAD | -50 | 0.70 | 0.90 | 1.00 | 2.5 | 3.2 | 3.6 | 1.6 | 2.0 | 2.2 |
| Night | 50 | 25 | 77 | DIRT_ROAD | -40 | 0.80 | 1.00 | 1.15 | 2.9 | 3.6 | 4.1 | 1.8 | 2.2 | 2.6 |
| Night | 50 | 25 | 77 | DIRT_ROAD | -30 | 0.90 | 1.15 | 1.30 | 3.2 | 4.1 | 4.7 | 2.0 | 2.6 | 2.9 |
| Night | 50 | 25 | 77 | DIRT_ROAD | -20 | 1.05 | 1.30 | 1.45 | 3.8 | 4.7 | 5.2 | 2.4 | 2.9 | 3.2 |
| Night | 50 | 25 | 77 | DIRT_ROAD | -15 | 1.15 | 1.40 | 1.55 | 4.1 | 5.0 | 5.6 | 2.6 | 3.1 | 3.5 |
| Night | 50 | 25 | 77 | DIRT_ROAD | -10 | 1.25 | 1.50 | 1.65 | 4.5 | 5.4 | 5.9 | 2.8 | 3.4 | 3.7 |
| Night | 50 | 25 | 77 | DIRT_ROAD | -5 | 1.35 | 1.60 | 1.75 | 4.9 | 5.8 | 6.3 | 3.0 | 3.6 | 3.9 |
| Night | 50 | 25 | 77 | DIRT_ROAD | 0 | 1.45 | 1.70 | 1.85 | 5.2 | 6.1 | 6.7 | 3.2 | 3.8 | 4.1 |
| Night | 50 | 25 | 77 | DIRT_ROAD | 5 | 1.00 | 1.20 | 1.35 | 3.6 | 4.3 | 4.9 | 2.2 | 2.7 | 3.0 |
| Night | 50 | 25 | 77 | DIRT_ROAD | 10 | 0.70 | 0.90 | 1.00 | 2.5 | 3.2 | 3.6 | 1.6 | 2.0 | 2.2 |
| Night | 50 | 25 | 77 | DIRT_ROAD | 15 | 0.50 | 0.70 | 0.80 | 1.8 | 2.5 | 2.9 | 1.1 | 1.6 | 1.8 |
| Night | 50 | 25 | 77 | DIRT_ROAD | 20 | 0.40 | 0.55 | 0.65 | 1.4 | 2.0 | 2.3 | 0.9 | 1.2 | 1.5 |
| Night | 50 | 25 | 77 | DIRT_ROAD | 30 | 0.30 | 0.35 | 0.45 | 1.1 | 1.3 | 1.6 | 0.7 | 0.8 | 1.0 |
| Night | 50 | 25 | 77 | DIRT_ROAD | 40 | 0.20 | 0.30 | 0.35 | 0.7 | 1.1 | 1.3 | 0.4 | 0.7 | 0.8 |
| Night | 50 | 25 | 77 | DIRT_ROAD | 50 | 0.15 | 0.20 | 0.25 | 0.5 | 0.7 | 0.9 | 0.3 | 0.4 | 0.6 |
| Night | 50 | 25 | 77 | LOOSE_SAND | -50 | 0.40 | 0.50 | 0.60 | 1.4 | 1.8 | 2.2 | 0.9 | 1.1 | 1.3 |
| Night | 50 | 25 | 77 | LOOSE_SAND | -40 | 0.45 | 0.60 | 0.70 | 1.6 | 2.2 | 2.5 | 1.0 | 1.3 | 1.6 |
| Night | 50 | 25 | 77 | LOOSE_SAND | -30 | 0.55 | 0.70 | 0.80 | 2.0 | 2.5 | 2.9 | 1.2 | 1.6 | 1.8 |
| Night | 50 | 25 | 77 | LOOSE_SAND | -20 | 0.70 | 0.85 | 0.95 | 2.5 | 3.1 | 3.4 | 1.6 | 1.9 | 2.1 |
| Night | 50 | 25 | 77 | LOOSE_SAND | -15 | 0.75 | 0.90 | 1.05 | 2.7 | 3.2 | 3.8 | 1.7 | 2.0 | 2.4 |
| Night | 50 | 25 | 77 | LOOSE_SAND | -10 | 0.85 | 1.00 | 1.10 | 3.1 | 3.6 | 4.0 | 1.9 | 2.2 | 2.5 |
| Night | 50 | 25 | 77 | LOOSE_SAND | -5 | 0.95 | 1.10 | 1.20 | 3.4 | 4.0 | 4.3 | 2.1 | 2.5 | 2.7 |
| Night | 50 | 25 | 77 | LOOSE_SAND | 0 | 1.05 | 1.20 | 1.35 | 3.8 | 4.3 | 4.9 | 2.4 | 2.7 | 3.0 |
| Night | 50 | 25 | 77 | LOOSE_SAND | 5 | 0.60 | 0.75 | 0.85 | 2.2 | 2.7 | 3.1 | 1.3 | 1.7 | 1.9 |
| Night | 50 | 25 | 77 | LOOSE_SAND | 10 | 0.40 | 0.50 | 0.60 | 1.4 | 1.8 | 2.2 | 0.9 | 1.1 | 1.3 |
| Night | 50 | 25 | 77 | LOOSE_SAND | 15 | 0.30 | 0.35 | 0.45 | 1.1 | 1.3 | 1.6 | 0.7 | 0.8 | 1.0 |
| Night | 50 | 25 | 77 | LOOSE_SAND | 20 | 0.20 | 0.30 | 0.35 | 0.7 | 1.1 | 1.3 | 0.4 | 0.7 | 0.8 |
| Night | 50 | 25 | 77 | LOOSE_SAND | 30 | 0.15 | 0.20 | 0.25 | 0.5 | 0.7 | 0.9 | 0.3 | 0.4 | 0.6 |
| Night | 50 | 25 | 77 | LOOSE_SAND | 40 | 0.10 | 0.15 | 0.15 | 0.4 | 0.5 | 0.5 | 0.2 | 0.3 | 0.3 |
| Night | 50 | 25 | 77 | LOOSE_SAND | 50 | 0.05 | 0.10 | 0.15 | 0.2 | 0.4 | 0.5 | 0.1 | 0.2 | 0.3 |

Table F-20. Maximum Sustainable Speed, Night, 50% Humidity, 30°C (86°F)

| Cloud Cover | RH (%) | °C | °F | Terrain Type | Grade (%) | Max Sustainable Speed (meters/second) | | | Max Sustainable Speed (kilometers/hour) | | | Max Sustainable Speed (miles/hour) | | |
|-------------|--------|----|----|--------------|-----------|---------------------------------------|------|------|---|-----|------|------------------------------------|-----|------|
| | | | | | | Risk Level | | | Risk Level | | | Risk Level | | |
| | | | | | | Low | Mod | High | Low | Mod | High | Low | Mod | High |
| Night | 50 | 30 | 86 | BLACK_TOP | -50 | 0.65 | 0.75 | 0.90 | 2.3 | 2.7 | 3.2 | 1.5 | 1.7 | 2.0 |
| Night | 50 | 30 | 86 | BLACK_TOP | -40 | 0.75 | 0.85 | 1.00 | 2.7 | 3.1 | 3.6 | 1.7 | 1.9 | 2.2 |
| Night | 50 | 30 | 86 | BLACK_TOP | -30 | 0.90 | 1.00 | 1.15 | 3.2 | 3.6 | 4.1 | 2.0 | 2.2 | 2.6 |
| Night | 50 | 30 | 86 | BLACK_TOP | -20 | 1.00 | 1.15 | 1.30 | 3.6 | 4.1 | 4.7 | 2.2 | 2.6 | 2.9 |
| Night | 50 | 30 | 86 | BLACK_TOP | -15 | 1.10 | 1.25 | 1.35 | 4.0 | 4.5 | 4.9 | 2.5 | 2.8 | 3.0 |
| Night | 50 | 30 | 86 | BLACK_TOP | -10 | 1.20 | 1.35 | 1.45 | 4.3 | 4.9 | 5.2 | 2.7 | 3.0 | 3.2 |
| Night | 50 | 30 | 86 | BLACK_TOP | -5 | 1.30 | 1.45 | 1.60 | 4.7 | 5.2 | 5.8 | 2.9 | 3.2 | 3.6 |
| Night | 50 | 30 | 86 | BLACK_TOP | 0 | 1.40 | 1.55 | 1.70 | 5.0 | 5.6 | 6.1 | 3.1 | 3.5 | 3.8 |
| Night | 50 | 30 | 86 | BLACK_TOP | 5 | 0.95 | 1.05 | 1.20 | 3.4 | 3.8 | 4.3 | 2.1 | 2.4 | 2.7 |
| Night | 50 | 30 | 86 | BLACK_TOP | 10 | 0.65 | 0.75 | 0.90 | 2.3 | 2.7 | 3.2 | 1.5 | 1.7 | 2.0 |
| Night | 50 | 30 | 86 | BLACK_TOP | 15 | 0.50 | 0.55 | 0.65 | 1.8 | 2.0 | 2.3 | 1.1 | 1.2 | 1.5 |
| Night | 50 | 30 | 86 | BLACK_TOP | 20 | 0.40 | 0.45 | 0.55 | 1.4 | 1.6 | 2.0 | 0.9 | 1.0 | 1.2 |
| Night | 50 | 30 | 86 | BLACK_TOP | 30 | 0.25 | 0.30 | 0.35 | 0.9 | 1.1 | 1.3 | 0.6 | 0.7 | 0.8 |
| Night | 50 | 30 | 86 | BLACK_TOP | 40 | 0.20 | 0.25 | 0.30 | 0.7 | 0.9 | 1.1 | 0.4 | 0.6 | 0.7 |
| Night | 50 | 30 | 86 | BLACK_TOP | 50 | 0.15 | 0.20 | 0.20 | 0.5 | 0.7 | 0.7 | 0.3 | 0.4 | 0.4 |
| Night | 50 | 30 | 86 | DIRT_ROAD | -50 | 0.60 | 0.70 | 0.80 | 2.2 | 2.5 | 2.9 | 1.3 | 1.6 | 1.8 |
| Night | 50 | 30 | 86 | DIRT_ROAD | -40 | 0.70 | 0.80 | 0.90 | 2.5 | 2.9 | 3.2 | 1.6 | 1.8 | 2.0 |
| Night | 50 | 30 | 86 | DIRT_ROAD | -30 | 0.80 | 0.95 | 1.05 | 2.9 | 3.4 | 3.8 | 1.8 | 2.1 | 2.4 |
| Night | 50 | 30 | 86 | DIRT_ROAD | -20 | 0.95 | 1.05 | 1.20 | 3.4 | 3.8 | 4.3 | 2.1 | 2.4 | 2.7 |
| Night | 50 | 30 | 86 | DIRT_ROAD | -15 | 1.05 | 1.15 | 1.30 | 3.8 | 4.1 | 4.7 | 2.4 | 2.6 | 2.9 |
| Night | 50 | 30 | 86 | DIRT_ROAD | -10 | 1.15 | 1.25 | 1.40 | 4.1 | 4.5 | 5.0 | 2.6 | 2.8 | 3.1 |
| Night | 50 | 30 | 86 | DIRT_ROAD | -5 | 1.25 | 1.35 | 1.50 | 4.5 | 4.9 | 5.4 | 2.8 | 3.0 | 3.4 |
| Night | 50 | 30 | 86 | DIRT_ROAD | 0 | 1.35 | 1.45 | 1.60 | 4.9 | 5.2 | 5.8 | 3.0 | 3.2 | 3.6 |
| Night | 50 | 30 | 86 | DIRT_ROAD | 5 | 0.90 | 1.00 | 1.15 | 3.2 | 3.6 | 4.1 | 2.0 | 2.2 | 2.6 |
| Night | 50 | 30 | 86 | DIRT_ROAD | 10 | 0.60 | 0.70 | 0.80 | 2.2 | 2.5 | 2.9 | 1.3 | 1.6 | 1.8 |
| Night | 50 | 30 | 86 | DIRT_ROAD | 15 | 0.45 | 0.55 | 0.60 | 1.6 | 2.0 | 2.2 | 1.0 | 1.2 | 1.3 |
| Night | 50 | 30 | 86 | DIRT_ROAD | 20 | 0.35 | 0.40 | 0.50 | 1.3 | 1.4 | 1.8 | 0.8 | 0.9 | 1.1 |
| Night | 50 | 30 | 86 | DIRT_ROAD | 30 | 0.25 | 0.30 | 0.35 | 0.9 | 1.1 | 1.3 | 0.6 | 0.7 | 0.8 |
| Night | 50 | 30 | 86 | DIRT_ROAD | 40 | 0.15 | 0.20 | 0.25 | 0.5 | 0.7 | 0.9 | 0.3 | 0.4 | 0.6 |
| Night | 50 | 30 | 86 | DIRT_ROAD | 50 | 0.15 | 0.15 | 0.20 | 0.5 | 0.5 | 0.7 | 0.3 | 0.3 | 0.4 |
| Night | 50 | 30 | 86 | LOOSE_SAND | -50 | 0.35 | 0.40 | 0.45 | 1.3 | 1.4 | 1.6 | 0.8 | 0.9 | 1.0 |
| Night | 50 | 30 | 86 | LOOSE_SAND | -40 | 0.40 | 0.45 | 0.55 | 1.4 | 1.6 | 2.0 | 0.9 | 1.0 | 1.2 |
| Night | 50 | 30 | 86 | LOOSE_SAND | -30 | 0.50 | 0.55 | 0.65 | 1.8 | 2.0 | 2.3 | 1.1 | 1.2 | 1.5 |
| Night | 50 | 30 | 86 | LOOSE_SAND | -20 | 0.60 | 0.70 | 0.80 | 2.2 | 2.5 | 2.9 | 1.3 | 1.6 | 1.8 |
| Night | 50 | 30 | 86 | LOOSE_SAND | -15 | 0.70 | 0.75 | 0.85 | 2.5 | 2.7 | 3.1 | 1.6 | 1.7 | 1.9 |
| Night | 50 | 30 | 86 | LOOSE_SAND | -10 | 0.75 | 0.85 | 0.95 | 2.7 | 3.1 | 3.4 | 1.7 | 1.9 | 2.1 |
| Night | 50 | 30 | 86 | LOOSE_SAND | -5 | 0.85 | 0.95 | 1.05 | 3.1 | 3.4 | 3.8 | 1.9 | 2.1 | 2.4 |
| Night | 50 | 30 | 86 | LOOSE_SAND | 0 | 0.95 | 1.05 | 1.15 | 3.4 | 3.8 | 4.1 | 2.1 | 2.4 | 2.6 |
| Night | 50 | 30 | 86 | LOOSE_SAND | 5 | 0.55 | 0.60 | 0.70 | 2.0 | 2.2 | 2.5 | 1.2 | 1.3 | 1.6 |
| Night | 50 | 30 | 86 | LOOSE_SAND | 10 | 0.35 | 0.40 | 0.45 | 1.3 | 1.4 | 1.6 | 0.8 | 0.9 | 1.0 |
| Night | 50 | 30 | 86 | LOOSE_SAND | 15 | 0.25 | 0.30 | 0.35 | 0.9 | 1.1 | 1.3 | 0.6 | 0.7 | 0.8 |
| Night | 50 | 30 | 86 | LOOSE_SAND | 20 | 0.20 | 0.20 | 0.25 | 0.7 | 0.7 | 0.9 | 0.4 | 0.4 | 0.6 |
| Night | 50 | 30 | 86 | LOOSE_SAND | 30 | 0.10 | 0.15 | 0.15 | 0.4 | 0.5 | 0.5 | 0.2 | 0.3 | 0.3 |
| Night | 50 | 30 | 86 | LOOSE_SAND | 40 | 0.10 | 0.10 | 0.10 | 0.4 | 0.4 | 0.4 | 0.2 | 0.2 | 0.2 |
| Night | 50 | 30 | 86 | LOOSE_SAND | 50 | 0.05 | 0.05 | 0.10 | 0.2 | 0.2 | 0.4 | 0.1 | 0.1 | 0.2 |

Table F-21. Maximum Sustainable Speed, Night, 50% Humidity, 35°C (95°F)

| Cloud Cover | RH (%) | °C | °F | Terrain Type | Grade (%) | Max Sustainable Speed (meters/second) | | | Max Sustainable Speed (kilometers/hour) | | | Max Sustainable Speed (miles/hour) | | |
|-------------|--------|----|----|--------------|-----------|---------------------------------------|------|------|---|-----|------|------------------------------------|-----|------|
| | | | | | | Risk Level | | | Risk Level | | | Risk Level | | |
| | | | | | | Low | Mod | High | Low | Mod | High | Low | Mod | High |
| Night | 50 | 35 | 95 | BLACK_TOP | -50 | 0.45 | 0.50 | 0.65 | 1.6 | 1.8 | 2.3 | 1.0 | 1.1 | 1.5 |
| Night | 50 | 35 | 95 | BLACK_TOP | -40 | 0.55 | 0.60 | 0.70 | 2.0 | 2.2 | 2.5 | 1.2 | 1.3 | 1.6 |
| Night | 50 | 35 | 95 | BLACK_TOP | -30 | 0.65 | 0.70 | 0.85 | 2.3 | 2.5 | 3.1 | 1.5 | 1.6 | 1.9 |
| Night | 50 | 35 | 95 | BLACK_TOP | -20 | 0.75 | 0.85 | 1.00 | 2.7 | 3.1 | 3.6 | 1.7 | 1.9 | 2.2 |
| Night | 50 | 35 | 95 | BLACK_TOP | -15 | 0.85 | 0.90 | 1.05 | 3.1 | 3.2 | 3.8 | 1.9 | 2.0 | 2.4 |
| Night | 50 | 35 | 95 | BLACK_TOP | -10 | 0.95 | 1.00 | 1.15 | 3.4 | 3.6 | 4.1 | 2.1 | 2.2 | 2.6 |
| Night | 50 | 35 | 95 | BLACK_TOP | -5 | 1.05 | 1.10 | 1.25 | 3.8 | 4.0 | 4.5 | 2.4 | 2.5 | 2.8 |
| Night | 50 | 35 | 95 | BLACK_TOP | 0 | 1.15 | 1.20 | 1.35 | 4.1 | 4.3 | 4.9 | 2.6 | 2.7 | 3.0 |
| Night | 50 | 35 | 95 | BLACK_TOP | 5 | 0.70 | 0.75 | 0.90 | 2.5 | 2.7 | 3.2 | 1.6 | 1.7 | 2.0 |
| Night | 50 | 35 | 95 | BLACK_TOP | 10 | 0.45 | 0.50 | 0.65 | 1.6 | 1.8 | 2.3 | 1.0 | 1.1 | 1.5 |
| Night | 50 | 35 | 95 | BLACK_TOP | 15 | 0.35 | 0.35 | 0.45 | 1.3 | 1.3 | 1.6 | 0.8 | 0.8 | 1.0 |
| Night | 50 | 35 | 95 | BLACK_TOP | 20 | 0.25 | 0.30 | 0.35 | 0.9 | 1.1 | 1.3 | 0.6 | 0.7 | 0.8 |
| Night | 50 | 35 | 95 | BLACK_TOP | 30 | 0.15 | 0.20 | 0.25 | 0.5 | 0.7 | 0.9 | 0.3 | 0.4 | 0.6 |
| Night | 50 | 35 | 95 | BLACK_TOP | 40 | 0.10 | 0.15 | 0.20 | 0.4 | 0.5 | 0.7 | 0.2 | 0.3 | 0.4 |
| Night | 50 | 35 | 95 | BLACK_TOP | 50 | 0.10 | 0.10 | 0.15 | 0.4 | 0.4 | 0.5 | 0.2 | 0.2 | 0.3 |
| Night | 50 | 35 | 95 | DIRT_ROAD | -50 | 0.40 | 0.45 | 0.60 | 1.4 | 1.6 | 2.2 | 0.9 | 1.0 | 1.3 |
| Night | 50 | 35 | 95 | DIRT_ROAD | -40 | 0.50 | 0.55 | 0.65 | 1.8 | 2.0 | 2.3 | 1.1 | 1.2 | 1.5 |
| Night | 50 | 35 | 95 | DIRT_ROAD | -30 | 0.60 | 0.65 | 0.80 | 2.2 | 2.3 | 2.9 | 1.3 | 1.5 | 1.8 |
| Night | 50 | 35 | 95 | DIRT_ROAD | -20 | 0.70 | 0.80 | 0.90 | 2.5 | 2.9 | 3.2 | 1.6 | 1.8 | 2.0 |
| Night | 50 | 35 | 95 | DIRT_ROAD | -15 | 0.80 | 0.85 | 1.00 | 2.9 | 3.1 | 3.6 | 1.8 | 1.9 | 2.2 |
| Night | 50 | 35 | 95 | DIRT_ROAD | -10 | 0.85 | 0.95 | 1.10 | 3.1 | 3.4 | 4.0 | 1.9 | 2.1 | 2.5 |
| Night | 50 | 35 | 95 | DIRT_ROAD | -5 | 0.95 | 1.05 | 1.20 | 3.4 | 3.8 | 4.3 | 2.1 | 2.4 | 2.7 |
| Night | 50 | 35 | 95 | DIRT_ROAD | 0 | 1.10 | 1.15 | 1.30 | 4.0 | 4.1 | 4.7 | 2.5 | 2.6 | 2.9 |
| Night | 50 | 35 | 95 | DIRT_ROAD | 5 | 0.65 | 0.70 | 0.85 | 2.3 | 2.5 | 3.1 | 1.5 | 1.6 | 1.9 |
| Night | 50 | 35 | 95 | DIRT_ROAD | 10 | 0.40 | 0.45 | 0.60 | 1.4 | 1.6 | 2.2 | 0.9 | 1.0 | 1.3 |
| Night | 50 | 35 | 95 | DIRT_ROAD | 15 | 0.30 | 0.35 | 0.40 | 1.1 | 1.3 | 1.4 | 0.7 | 0.8 | 0.9 |
| Night | 50 | 35 | 95 | DIRT_ROAD | 20 | 0.20 | 0.25 | 0.35 | 0.7 | 0.9 | 1.3 | 0.4 | 0.6 | 0.8 |
| Night | 50 | 35 | 95 | DIRT_ROAD | 30 | 0.15 | 0.15 | 0.20 | 0.5 | 0.5 | 0.7 | 0.3 | 0.3 | 0.4 |
| Night | 50 | 35 | 95 | DIRT_ROAD | 40 | 0.10 | 0.10 | 0.15 | 0.4 | 0.4 | 0.5 | 0.2 | 0.2 | 0.3 |
| Night | 50 | 35 | 95 | DIRT_ROAD | 50 | 0.10 | 0.10 | 0.10 | 0.4 | 0.4 | 0.4 | 0.2 | 0.2 | 0.2 |
| Night | 50 | 35 | 95 | LOOSE_SAND | -50 | 0.20 | 0.25 | 0.30 | 0.7 | 0.9 | 1.1 | 0.4 | 0.6 | 0.7 |
| Night | 50 | 35 | 95 | LOOSE_SAND | -40 | 0.25 | 0.30 | 0.40 | 0.9 | 1.1 | 1.4 | 0.6 | 0.7 | 0.9 |
| Night | 50 | 35 | 95 | LOOSE_SAND | -30 | 0.35 | 0.40 | 0.45 | 1.3 | 1.4 | 1.6 | 0.8 | 0.9 | 1.0 |
| Night | 50 | 35 | 95 | LOOSE_SAND | -20 | 0.45 | 0.50 | 0.60 | 1.6 | 1.8 | 2.2 | 1.0 | 1.1 | 1.3 |
| Night | 50 | 35 | 95 | LOOSE_SAND | -15 | 0.50 | 0.55 | 0.65 | 1.8 | 2.0 | 2.3 | 1.1 | 1.2 | 1.5 |
| Night | 50 | 35 | 95 | LOOSE_SAND | -10 | 0.60 | 0.65 | 0.75 | 2.2 | 2.3 | 2.7 | 1.3 | 1.5 | 1.7 |
| Night | 50 | 35 | 95 | LOOSE_SAND | -5 | 0.65 | 0.70 | 0.85 | 2.3 | 2.5 | 3.1 | 1.5 | 1.6 | 1.9 |
| Night | 50 | 35 | 95 | LOOSE_SAND | 0 | 0.80 | 0.85 | 0.95 | 2.9 | 3.1 | 3.4 | 1.8 | 1.9 | 2.1 |
| Night | 50 | 35 | 95 | LOOSE_SAND | 5 | 0.40 | 0.40 | 0.50 | 1.4 | 1.4 | 1.8 | 0.9 | 0.9 | 1.1 |
| Night | 50 | 35 | 95 | LOOSE_SAND | 10 | 0.20 | 0.25 | 0.30 | 0.7 | 0.9 | 1.1 | 0.4 | 0.6 | 0.7 |
| Night | 50 | 35 | 95 | LOOSE_SAND | 15 | 0.15 | 0.15 | 0.20 | 0.5 | 0.5 | 0.7 | 0.3 | 0.3 | 0.4 |
| Night | 50 | 35 | 95 | LOOSE_SAND | 20 | 0.10 | 0.15 | 0.15 | 0.4 | 0.5 | 0.5 | 0.2 | 0.3 | 0.3 |
| Night | 50 | 35 | 95 | LOOSE_SAND | 30 | 0.05 | 0.10 | 0.10 | 0.2 | 0.4 | 0.4 | 0.1 | 0.2 | 0.2 |
| Night | 50 | 35 | 95 | LOOSE_SAND | 40 | 0.05 | 0.05 | 0.05 | 0.2 | 0.2 | 0.2 | 0.1 | 0.1 | 0.1 |
| Night | 50 | 35 | 95 | LOOSE_SAND | 50 | 0.05 | 0.05 | 0.05 | 0.2 | 0.2 | 0.2 | 0.1 | 0.1 | 0.1 |

Table F-22. Maximum Sustainable Speed, Night, 75% Humidity, 5°C (41°F)

| Cloud Cover | RH (%) | °C | °F | Terrain Type | Grade (%) | Max Sustainable Speed (meters/second) | | | Max Sustainable Speed (kilometers/hour) | | | Max Sustainable Speed (miles/hour) | | |
|-------------|--------|----|----|--------------|-----------|---------------------------------------|------|------|---|-----|------|------------------------------------|-----|------|
| | | | | | | Risk Level | | | Risk Level | | | Risk Level | | |
| | | | | | | Low | Mod | High | Low | Mod | High | Low | Mod | High |
| Night | 75 | 5 | 41 | BLACK_TOP | -50 | 1.05 | 1.30 | 1.60 | 3.8 | 4.7 | 5.8 | 2.4 | 2.9 | 3.6 |
| Night | 75 | 5 | 41 | BLACK_TOP | -40 | 1.20 | 1.45 | 1.75 | 4.3 | 5.2 | 6.3 | 2.7 | 3.2 | 3.9 |
| Night | 75 | 5 | 41 | BLACK_TOP | -30 | 1.30 | 1.60 | 1.90 | 4.7 | 5.8 | 6.8 | 2.9 | 3.6 | 4.3 |
| Night | 75 | 5 | 41 | BLACK_TOP | -20 | 1.50 | 1.80 | 2.10 | 5.4 | 6.5 | 7.6 | 3.4 | 4.0 | 4.7 |
| Night | 75 | 5 | 41 | BLACK_TOP | -15 | 1.60 | 1.90 | 2.20 | 5.8 | 6.8 | 7.9 | 3.6 | 4.3 | 4.9 |
| Night | 75 | 5 | 41 | BLACK_TOP | -10 | 1.70 | 2.00 | 2.30 | 6.1 | 7.2 | 8.3 | 3.8 | 4.5 | 5.2 |
| Night | 75 | 5 | 41 | BLACK_TOP | -5 | 1.80 | 2.10 | 2.40 | 6.5 | 7.6 | 8.6 | 4.0 | 4.7 | 5.4 |
| Night | 75 | 5 | 41 | BLACK_TOP | 0 | 1.90 | 2.20 | 2.50 | 6.8 | 7.9 | 9.0 | 4.3 | 4.9 | 5.6 |
| Night | 75 | 5 | 41 | BLACK_TOP | 5 | 1.40 | 1.70 | 2.00 | 5.0 | 6.1 | 7.2 | 3.1 | 3.8 | 4.5 |
| Night | 75 | 5 | 41 | BLACK_TOP | 10 | 1.05 | 1.30 | 1.60 | 3.8 | 4.7 | 5.8 | 2.4 | 2.9 | 3.6 |
| Night | 75 | 5 | 41 | BLACK_TOP | 15 | 0.80 | 1.05 | 1.30 | 2.9 | 3.8 | 4.7 | 1.8 | 2.4 | 2.9 |
| Night | 75 | 5 | 41 | BLACK_TOP | 20 | 0.65 | 0.85 | 1.10 | 2.3 | 3.1 | 4.0 | 1.5 | 1.9 | 2.5 |
| Night | 75 | 5 | 41 | BLACK_TOP | 30 | 0.45 | 0.60 | 0.80 | 1.6 | 2.2 | 2.9 | 1.0 | 1.3 | 1.8 |
| Night | 75 | 5 | 41 | BLACK_TOP | 40 | 0.35 | 0.50 | 0.65 | 1.3 | 1.8 | 2.3 | 0.8 | 1.1 | 1.5 |
| Night | 75 | 5 | 41 | BLACK_TOP | 50 | 0.30 | 0.40 | 0.50 | 1.1 | 1.4 | 1.8 | 0.7 | 0.9 | 1.1 |
| Night | 75 | 5 | 41 | DIRT_ROAD | -50 | 1.00 | 1.25 | 1.50 | 3.6 | 4.5 | 5.4 | 2.2 | 2.8 | 3.4 |
| Night | 75 | 5 | 41 | DIRT_ROAD | -40 | 1.10 | 1.35 | 1.65 | 4.0 | 4.9 | 5.9 | 2.5 | 3.0 | 3.7 |
| Night | 75 | 5 | 41 | DIRT_ROAD | -30 | 1.25 | 1.50 | 1.80 | 4.5 | 5.4 | 6.5 | 2.8 | 3.4 | 4.0 |
| Night | 75 | 5 | 41 | DIRT_ROAD | -20 | 1.40 | 1.70 | 2.00 | 5.0 | 6.1 | 7.2 | 3.1 | 3.8 | 4.5 |
| Night | 75 | 5 | 41 | DIRT_ROAD | -15 | 1.50 | 1.80 | 2.10 | 5.4 | 6.5 | 7.6 | 3.4 | 4.0 | 4.7 |
| Night | 75 | 5 | 41 | DIRT_ROAD | -10 | 1.60 | 1.90 | 2.20 | 5.8 | 6.8 | 7.9 | 3.6 | 4.3 | 4.9 |
| Night | 75 | 5 | 41 | DIRT_ROAD | -5 | 1.70 | 2.00 | 2.30 | 6.1 | 7.2 | 8.3 | 3.8 | 4.5 | 5.2 |
| Night | 75 | 5 | 41 | DIRT_ROAD | 0 | 1.80 | 2.10 | 2.40 | 6.5 | 7.6 | 8.6 | 4.0 | 4.7 | 5.4 |
| Night | 75 | 5 | 41 | DIRT_ROAD | 5 | 1.30 | 1.60 | 1.90 | 4.7 | 5.8 | 6.8 | 2.9 | 3.6 | 4.3 |
| Night | 75 | 5 | 41 | DIRT_ROAD | 10 | 1.00 | 1.25 | 1.50 | 3.6 | 4.5 | 5.4 | 2.2 | 2.8 | 3.4 |
| Night | 75 | 5 | 41 | DIRT_ROAD | 15 | 0.75 | 1.00 | 1.20 | 2.7 | 3.6 | 4.3 | 1.7 | 2.2 | 2.7 |
| Night | 75 | 5 | 41 | DIRT_ROAD | 20 | 0.60 | 0.80 | 1.00 | 2.2 | 2.9 | 3.6 | 1.3 | 1.8 | 2.2 |
| Night | 75 | 5 | 41 | DIRT_ROAD | 30 | 0.40 | 0.55 | 0.75 | 1.4 | 2.0 | 2.7 | 0.9 | 1.2 | 1.7 |
| Night | 75 | 5 | 41 | DIRT_ROAD | 40 | 0.30 | 0.45 | 0.55 | 1.1 | 1.6 | 2.0 | 0.7 | 1.0 | 1.2 |
| Night | 75 | 5 | 41 | DIRT_ROAD | 50 | 0.25 | 0.35 | 0.45 | 0.9 | 1.3 | 1.6 | 0.6 | 0.8 | 1.0 |
| Night | 75 | 5 | 41 | LOOSE_SAND | -50 | 0.55 | 0.75 | 0.90 | 2.0 | 2.7 | 3.2 | 1.2 | 1.7 | 2.0 |
| Night | 75 | 5 | 41 | LOOSE_SAND | -40 | 0.65 | 0.85 | 1.05 | 2.3 | 3.1 | 3.8 | 1.5 | 1.9 | 2.4 |
| Night | 75 | 5 | 41 | LOOSE_SAND | -30 | 0.75 | 0.95 | 1.15 | 2.7 | 3.4 | 4.1 | 1.7 | 2.1 | 2.6 |
| Night | 75 | 5 | 41 | LOOSE_SAND | -20 | 0.90 | 1.10 | 1.35 | 3.2 | 4.0 | 4.9 | 2.0 | 2.5 | 3.0 |
| Night | 75 | 5 | 41 | LOOSE_SAND | -15 | 1.00 | 1.20 | 1.40 | 3.6 | 4.3 | 5.0 | 2.2 | 2.7 | 3.1 |
| Night | 75 | 5 | 41 | LOOSE_SAND | -10 | 1.10 | 1.30 | 1.50 | 4.0 | 4.7 | 5.4 | 2.5 | 2.9 | 3.4 |
| Night | 75 | 5 | 41 | LOOSE_SAND | -5 | 1.20 | 1.40 | 1.60 | 4.3 | 5.0 | 5.8 | 2.7 | 3.1 | 3.6 |
| Night | 75 | 5 | 41 | LOOSE_SAND | 0 | 1.30 | 1.50 | 1.75 | 4.7 | 5.4 | 6.3 | 2.9 | 3.4 | 3.9 |
| Night | 75 | 5 | 41 | LOOSE_SAND | 5 | 0.85 | 1.05 | 1.25 | 3.1 | 3.8 | 4.5 | 1.9 | 2.4 | 2.8 |
| Night | 75 | 5 | 41 | LOOSE_SAND | 10 | 0.55 | 0.75 | 0.90 | 2.0 | 2.7 | 3.2 | 1.2 | 1.7 | 2.0 |
| Night | 75 | 5 | 41 | LOOSE_SAND | 15 | 0.40 | 0.55 | 0.70 | 1.4 | 2.0 | 2.5 | 0.9 | 1.2 | 1.6 |
| Night | 75 | 5 | 41 | LOOSE_SAND | 20 | 0.30 | 0.45 | 0.55 | 1.1 | 1.6 | 2.0 | 0.7 | 1.0 | 1.2 |
| Night | 75 | 5 | 41 | LOOSE_SAND | 30 | 0.20 | 0.30 | 0.40 | 0.7 | 1.1 | 1.4 | 0.4 | 0.7 | 0.9 |
| Night | 75 | 5 | 41 | LOOSE_SAND | 40 | 0.15 | 0.20 | 0.30 | 0.5 | 0.7 | 1.1 | 0.3 | 0.4 | 0.7 |
| Night | 75 | 5 | 41 | LOOSE_SAND | 50 | 0.10 | 0.15 | 0.25 | 0.4 | 0.5 | 0.9 | 0.2 | 0.3 | 0.6 |

Table F-23. Maximum Sustainable Speed, Night, 75 % Humidity, 10°C (50°F)

| Cloud Cover | RH (%) | °C | °F | Terrain Type | Grade (%) | Max Sustainable Speed (meters/second) | | | Max Sustainable Speed (kilometers/hour) | | | Max Sustainable Speed (miles/hour) | | |
|-------------|--------|----|----|--------------|-----------|---------------------------------------|------|------|---|-----|------|------------------------------------|-----|------|
| | | | | | | Risk Level | | | Risk Level | | | Risk Level | | |
| | | | | | | Low | Mod | High | Low | Mod | High | Low | Mod | High |
| Night | 75 | 10 | 50 | BLACK_TOP | -50 | 1.00 | 1.25 | 1.55 | 3.6 | 4.5 | 5.6 | 2.2 | 2.8 | 3.5 |
| Night | 75 | 10 | 50 | BLACK_TOP | -40 | 1.10 | 1.35 | 1.70 | 4.0 | 4.9 | 6.1 | 2.5 | 3.0 | 3.8 |
| Night | 75 | 10 | 50 | BLACK_TOP | -30 | 1.25 | 1.50 | 1.85 | 4.5 | 5.4 | 6.7 | 2.8 | 3.4 | 4.1 |
| Night | 75 | 10 | 50 | BLACK_TOP | -20 | 1.45 | 1.70 | 2.00 | 5.2 | 6.1 | 7.2 | 3.2 | 3.8 | 4.5 |
| Night | 75 | 10 | 50 | BLACK_TOP | -15 | 1.50 | 1.80 | 2.10 | 5.4 | 6.5 | 7.6 | 3.4 | 4.0 | 4.7 |
| Night | 75 | 10 | 50 | BLACK_TOP | -10 | 1.60 | 1.90 | 2.20 | 5.8 | 6.8 | 7.9 | 3.6 | 4.3 | 4.9 |
| Night | 75 | 10 | 50 | BLACK_TOP | -5 | 1.70 | 2.00 | 2.35 | 6.1 | 7.2 | 8.5 | 3.8 | 4.5 | 5.3 |
| Night | 75 | 10 | 50 | BLACK_TOP | 0 | 1.85 | 2.10 | 2.45 | 6.7 | 7.6 | 8.8 | 4.1 | 4.7 | 5.5 |
| Night | 75 | 10 | 50 | BLACK_TOP | 5 | 1.35 | 1.60 | 1.95 | 4.9 | 5.8 | 7.0 | 3.0 | 3.6 | 4.4 |
| Night | 75 | 10 | 50 | BLACK_TOP | 10 | 1.00 | 1.25 | 1.55 | 3.6 | 4.5 | 5.6 | 2.2 | 2.8 | 3.5 |
| Night | 75 | 10 | 50 | BLACK_TOP | 15 | 0.80 | 1.00 | 1.25 | 2.9 | 3.6 | 4.5 | 1.8 | 2.2 | 2.8 |
| Night | 75 | 10 | 50 | BLACK_TOP | 20 | 0.65 | 0.80 | 1.05 | 2.3 | 2.9 | 3.8 | 1.5 | 1.8 | 2.4 |
| Night | 75 | 10 | 50 | BLACK_TOP | 30 | 0.45 | 0.55 | 0.75 | 1.6 | 2.0 | 2.7 | 1.0 | 1.2 | 1.7 |
| Night | 75 | 10 | 50 | BLACK_TOP | 40 | 0.35 | 0.45 | 0.60 | 1.3 | 1.6 | 2.2 | 0.8 | 1.0 | 1.3 |
| Night | 75 | 10 | 50 | BLACK_TOP | 50 | 0.25 | 0.35 | 0.45 | 0.9 | 1.3 | 1.6 | 0.6 | 0.8 | 1.0 |
| Night | 75 | 10 | 50 | DIRT_ROAD | -50 | 0.95 | 1.15 | 1.45 | 3.4 | 4.1 | 5.2 | 2.1 | 2.6 | 3.2 |
| Night | 75 | 10 | 50 | DIRT_ROAD | -40 | 1.05 | 1.30 | 1.55 | 3.8 | 4.7 | 5.6 | 2.4 | 2.9 | 3.5 |
| Night | 75 | 10 | 50 | DIRT_ROAD | -30 | 1.20 | 1.40 | 1.75 | 4.3 | 5.0 | 6.3 | 2.7 | 3.1 | 3.9 |
| Night | 75 | 10 | 50 | DIRT_ROAD | -20 | 1.35 | 1.60 | 1.90 | 4.9 | 5.8 | 6.8 | 3.0 | 3.6 | 4.3 |
| Night | 75 | 10 | 50 | DIRT_ROAD | -15 | 1.45 | 1.70 | 2.00 | 5.2 | 6.1 | 7.2 | 3.2 | 3.8 | 4.5 |
| Night | 75 | 10 | 50 | DIRT_ROAD | -10 | 1.55 | 1.80 | 2.10 | 5.6 | 6.5 | 7.6 | 3.5 | 4.0 | 4.7 |
| Night | 75 | 10 | 50 | DIRT_ROAD | -5 | 1.65 | 1.90 | 2.20 | 5.9 | 6.8 | 7.9 | 3.7 | 4.3 | 4.9 |
| Night | 75 | 10 | 50 | DIRT_ROAD | 0 | 1.75 | 2.00 | 2.35 | 6.3 | 7.2 | 8.5 | 3.9 | 4.5 | 5.3 |
| Night | 75 | 10 | 50 | DIRT_ROAD | 5 | 1.25 | 1.50 | 1.80 | 4.5 | 5.4 | 6.5 | 2.8 | 3.4 | 4.0 |
| Night | 75 | 10 | 50 | DIRT_ROAD | 10 | 0.95 | 1.15 | 1.45 | 3.4 | 4.1 | 5.2 | 2.1 | 2.6 | 3.2 |
| Night | 75 | 10 | 50 | DIRT_ROAD | 15 | 0.70 | 0.90 | 1.15 | 2.5 | 3.2 | 4.1 | 1.6 | 2.0 | 2.6 |
| Night | 75 | 10 | 50 | DIRT_ROAD | 20 | 0.55 | 0.75 | 0.95 | 2.0 | 2.7 | 3.4 | 1.2 | 1.7 | 2.1 |
| Night | 75 | 10 | 50 | DIRT_ROAD | 30 | 0.40 | 0.50 | 0.70 | 1.4 | 1.8 | 2.5 | 0.9 | 1.1 | 1.6 |
| Night | 75 | 10 | 50 | DIRT_ROAD | 40 | 0.30 | 0.40 | 0.55 | 1.1 | 1.4 | 2.0 | 0.7 | 0.9 | 1.2 |
| Night | 75 | 10 | 50 | DIRT_ROAD | 50 | 0.25 | 0.30 | 0.45 | 0.9 | 1.1 | 1.6 | 0.6 | 0.7 | 1.0 |
| Night | 75 | 10 | 50 | LOOSE_SAND | -50 | 0.55 | 0.70 | 0.85 | 2.0 | 2.5 | 3.1 | 1.2 | 1.6 | 1.9 |
| Night | 75 | 10 | 50 | LOOSE_SAND | -40 | 0.65 | 0.80 | 1.00 | 2.3 | 2.9 | 3.6 | 1.5 | 1.8 | 2.2 |
| Night | 75 | 10 | 50 | LOOSE_SAND | -30 | 0.75 | 0.90 | 1.10 | 2.7 | 3.2 | 4.0 | 1.7 | 2.0 | 2.5 |
| Night | 75 | 10 | 50 | LOOSE_SAND | -20 | 0.85 | 1.05 | 1.25 | 3.1 | 3.8 | 4.5 | 1.9 | 2.4 | 2.8 |
| Night | 75 | 10 | 50 | LOOSE_SAND | -15 | 0.95 | 1.15 | 1.35 | 3.4 | 4.1 | 4.9 | 2.1 | 2.6 | 3.0 |
| Night | 75 | 10 | 50 | LOOSE_SAND | -10 | 1.05 | 1.25 | 1.45 | 3.8 | 4.5 | 5.2 | 2.4 | 2.8 | 3.2 |
| Night | 75 | 10 | 50 | LOOSE_SAND | -5 | 1.15 | 1.35 | 1.55 | 4.1 | 4.9 | 5.6 | 2.6 | 3.0 | 3.5 |
| Night | 75 | 10 | 50 | LOOSE_SAND | 0 | 1.25 | 1.45 | 1.70 | 4.5 | 5.2 | 6.1 | 2.8 | 3.2 | 3.8 |
| Night | 75 | 10 | 50 | LOOSE_SAND | 5 | 0.80 | 0.95 | 1.20 | 2.9 | 3.4 | 4.3 | 1.8 | 2.1 | 2.7 |
| Night | 75 | 10 | 50 | LOOSE_SAND | 10 | 0.55 | 0.70 | 0.85 | 2.0 | 2.5 | 3.1 | 1.2 | 1.6 | 1.9 |
| Night | 75 | 10 | 50 | LOOSE_SAND | 15 | 0.40 | 0.50 | 0.65 | 1.4 | 1.8 | 2.3 | 0.9 | 1.1 | 1.5 |
| Night | 75 | 10 | 50 | LOOSE_SAND | 20 | 0.30 | 0.40 | 0.55 | 1.1 | 1.4 | 2.0 | 0.7 | 0.9 | 1.2 |
| Night | 75 | 10 | 50 | LOOSE_SAND | 30 | 0.20 | 0.25 | 0.35 | 0.7 | 0.9 | 1.3 | 0.4 | 0.6 | 0.8 |
| Night | 75 | 10 | 50 | LOOSE_SAND | 40 | 0.15 | 0.20 | 0.30 | 0.5 | 0.7 | 1.1 | 0.3 | 0.4 | 0.7 |
| Night | 75 | 10 | 50 | LOOSE_SAND | 50 | 0.10 | 0.15 | 0.20 | 0.4 | 0.5 | 0.7 | 0.2 | 0.3 | 0.4 |

Table F-24. Maximum Sustainable Speed, Night, 75% Humidity, 15°C (59°F)

| Cloud Cover | RH (%) | °C | °F | Terrain Type | Grade (%) | Max Sustainable Speed (meters/second) | | | Max Sustainable Speed (kilometers/hour) | | | Max Sustainable Speed (miles/hour) | | |
|-------------|--------|----|----|--------------|-----------|---------------------------------------|------|------|---|-----|------|------------------------------------|-----|------|
| | | | | | | Risk Level | | | Risk Level | | | Risk Level | | |
| | | | | | | Low | Mod | High | Low | Mod | High | Low | Mod | High |
| Night | 75 | 15 | 59 | BLACK_TOP | -50 | 0.90 | 1.15 | 1.35 | 3.2 | 4.1 | 4.9 | 2.0 | 2.6 | 3.0 |
| Night | 75 | 15 | 59 | BLACK_TOP | -40 | 1.05 | 1.25 | 1.50 | 3.8 | 4.5 | 5.4 | 2.4 | 2.8 | 3.4 |
| Night | 75 | 15 | 59 | BLACK_TOP | -30 | 1.15 | 1.40 | 1.65 | 4.1 | 5.0 | 5.9 | 2.6 | 3.1 | 3.7 |
| Night | 75 | 15 | 59 | BLACK_TOP | -20 | 1.35 | 1.60 | 1.85 | 4.9 | 5.8 | 6.7 | 3.0 | 3.6 | 4.1 |
| Night | 75 | 15 | 59 | BLACK_TOP | -15 | 1.40 | 1.70 | 1.95 | 5.0 | 6.1 | 7.0 | 3.1 | 3.8 | 4.4 |
| Night | 75 | 15 | 59 | BLACK_TOP | -10 | 1.50 | 1.80 | 2.05 | 5.4 | 6.5 | 7.4 | 3.4 | 4.0 | 4.6 |
| Night | 75 | 15 | 59 | BLACK_TOP | -5 | 1.60 | 1.90 | 2.15 | 5.8 | 6.8 | 7.7 | 3.6 | 4.3 | 4.8 |
| Night | 75 | 15 | 59 | BLACK_TOP | 0 | 1.75 | 2.00 | 2.25 | 6.3 | 7.2 | 8.1 | 3.9 | 4.5 | 5.0 |
| Night | 75 | 15 | 59 | BLACK_TOP | 5 | 1.25 | 1.50 | 1.75 | 4.5 | 5.4 | 6.3 | 2.8 | 3.4 | 3.9 |
| Night | 75 | 15 | 59 | BLACK_TOP | 10 | 0.90 | 1.15 | 1.35 | 3.2 | 4.1 | 4.9 | 2.0 | 2.6 | 3.0 |
| Night | 75 | 15 | 59 | BLACK_TOP | 15 | 0.70 | 0.90 | 1.10 | 2.5 | 3.2 | 4.0 | 1.6 | 2.0 | 2.5 |
| Night | 75 | 15 | 59 | BLACK_TOP | 20 | 0.55 | 0.75 | 0.90 | 2.0 | 2.7 | 3.2 | 1.2 | 1.7 | 2.0 |
| Night | 75 | 15 | 59 | BLACK_TOP | 30 | 0.40 | 0.50 | 0.65 | 1.4 | 1.8 | 2.3 | 0.9 | 1.1 | 1.5 |
| Night | 75 | 15 | 59 | BLACK_TOP | 40 | 0.30 | 0.40 | 0.50 | 1.1 | 1.4 | 1.8 | 0.7 | 0.9 | 1.1 |
| Night | 75 | 15 | 59 | BLACK_TOP | 50 | 0.25 | 0.30 | 0.40 | 0.9 | 1.1 | 1.4 | 0.6 | 0.7 | 0.9 |
| Night | 75 | 15 | 59 | DIRT_ROAD | -50 | 0.85 | 1.05 | 1.25 | 3.1 | 3.8 | 4.5 | 1.9 | 2.4 | 2.8 |
| Night | 75 | 15 | 59 | DIRT_ROAD | -40 | 0.95 | 1.20 | 1.40 | 3.4 | 4.3 | 5.0 | 2.1 | 2.7 | 3.1 |
| Night | 75 | 15 | 59 | DIRT_ROAD | -30 | 1.10 | 1.35 | 1.55 | 4.0 | 4.9 | 5.6 | 2.5 | 3.0 | 3.5 |
| Night | 75 | 15 | 59 | DIRT_ROAD | -20 | 1.25 | 1.50 | 1.75 | 4.5 | 5.4 | 6.3 | 2.8 | 3.4 | 3.9 |
| Night | 75 | 15 | 59 | DIRT_ROAD | -15 | 1.35 | 1.60 | 1.80 | 4.9 | 5.8 | 6.5 | 3.0 | 3.6 | 4.0 |
| Night | 75 | 15 | 59 | DIRT_ROAD | -10 | 1.45 | 1.70 | 1.90 | 5.2 | 6.1 | 6.8 | 3.2 | 3.8 | 4.3 |
| Night | 75 | 15 | 59 | DIRT_ROAD | -5 | 1.55 | 1.80 | 2.05 | 5.6 | 6.5 | 7.4 | 3.5 | 4.0 | 4.6 |
| Night | 75 | 15 | 59 | DIRT_ROAD | 0 | 1.65 | 1.90 | 2.15 | 5.9 | 6.8 | 7.7 | 3.7 | 4.3 | 4.8 |
| Night | 75 | 15 | 59 | DIRT_ROAD | 5 | 1.15 | 1.40 | 1.65 | 4.1 | 5.0 | 5.9 | 2.6 | 3.1 | 3.7 |
| Night | 75 | 15 | 59 | DIRT_ROAD | 10 | 0.85 | 1.05 | 1.25 | 3.1 | 3.8 | 4.5 | 1.9 | 2.4 | 2.8 |
| Night | 75 | 15 | 59 | DIRT_ROAD | 15 | 0.65 | 0.85 | 1.00 | 2.3 | 3.1 | 3.6 | 1.5 | 1.9 | 2.2 |
| Night | 75 | 15 | 59 | DIRT_ROAD | 20 | 0.50 | 0.65 | 0.85 | 1.8 | 2.3 | 3.1 | 1.1 | 1.5 | 1.9 |
| Night | 75 | 15 | 59 | DIRT_ROAD | 30 | 0.35 | 0.45 | 0.60 | 1.3 | 1.6 | 2.2 | 0.8 | 1.0 | 1.3 |
| Night | 75 | 15 | 59 | DIRT_ROAD | 40 | 0.25 | 0.35 | 0.45 | 0.9 | 1.3 | 1.6 | 0.6 | 0.8 | 1.0 |
| Night | 75 | 15 | 59 | DIRT_ROAD | 50 | 0.20 | 0.30 | 0.35 | 0.7 | 1.1 | 1.3 | 0.4 | 0.7 | 0.8 |
| Night | 75 | 15 | 59 | LOOSE_SAND | -50 | 0.50 | 0.65 | 0.75 | 1.8 | 2.3 | 2.7 | 1.1 | 1.5 | 1.7 |
| Night | 75 | 15 | 59 | LOOSE_SAND | -40 | 0.55 | 0.70 | 0.85 | 2.0 | 2.5 | 3.1 | 1.2 | 1.6 | 1.9 |
| Night | 75 | 15 | 59 | LOOSE_SAND | -30 | 0.70 | 0.85 | 1.00 | 2.5 | 3.1 | 3.6 | 1.6 | 1.9 | 2.2 |
| Night | 75 | 15 | 59 | LOOSE_SAND | -20 | 0.80 | 1.00 | 1.15 | 2.9 | 3.6 | 4.1 | 1.8 | 2.2 | 2.6 |
| Night | 75 | 15 | 59 | LOOSE_SAND | -15 | 0.90 | 1.05 | 1.25 | 3.2 | 3.8 | 4.5 | 2.0 | 2.4 | 2.8 |
| Night | 75 | 15 | 59 | LOOSE_SAND | -10 | 1.00 | 1.15 | 1.35 | 3.6 | 4.1 | 4.9 | 2.2 | 2.6 | 3.0 |
| Night | 75 | 15 | 59 | LOOSE_SAND | -5 | 1.10 | 1.25 | 1.45 | 4.0 | 4.5 | 5.2 | 2.5 | 2.8 | 3.2 |
| Night | 75 | 15 | 59 | LOOSE_SAND | 0 | 1.20 | 1.35 | 1.55 | 4.3 | 4.9 | 5.6 | 2.7 | 3.0 | 3.5 |
| Night | 75 | 15 | 59 | LOOSE_SAND | 5 | 0.75 | 0.90 | 1.05 | 2.7 | 3.2 | 3.8 | 1.7 | 2.0 | 2.4 |
| Night | 75 | 15 | 59 | LOOSE_SAND | 10 | 0.50 | 0.65 | 0.75 | 1.8 | 2.3 | 2.7 | 1.1 | 1.5 | 1.7 |
| Night | 75 | 15 | 59 | LOOSE_SAND | 15 | 0.35 | 0.45 | 0.60 | 1.3 | 1.6 | 2.2 | 0.8 | 1.0 | 1.3 |
| Night | 75 | 15 | 59 | LOOSE_SAND | 20 | 0.25 | 0.35 | 0.45 | 0.9 | 1.3 | 1.6 | 0.6 | 0.8 | 1.0 |
| Night | 75 | 15 | 59 | LOOSE_SAND | 30 | 0.20 | 0.25 | 0.30 | 0.7 | 0.9 | 1.1 | 0.4 | 0.6 | 0.7 |
| Night | 75 | 15 | 59 | LOOSE_SAND | 40 | 0.15 | 0.20 | 0.25 | 0.5 | 0.7 | 0.9 | 0.3 | 0.4 | 0.6 |
| Night | 75 | 15 | 59 | LOOSE_SAND | 50 | 0.10 | 0.15 | 0.20 | 0.4 | 0.5 | 0.7 | 0.2 | 0.3 | 0.4 |

Table F-25. Maximum Sustainable Speed, Night, 75% Humidity, 20°C (68°F)

| Cloud Cover | RH (%) | °C | °F | Terrain Type | Grade (%) | Max Sustainable Speed (meters/second) | | | Max Sustainable Speed (kilometers/hour) | | | Max Sustainable Speed (miles/hour) | | |
|-------------|--------|----|----|--------------|-----------|---------------------------------------|------|------|---|-----|------|------------------------------------|-----|------|
| | | | | | | Risk Level | | | Risk Level | | | Risk Level | | |
| | | | | | | Low | Mod | High | Low | Mod | High | Low | Mod | High |
| Night | 75 | 20 | 68 | BLACK_TOP | -50 | 0.85 | 1.05 | 1.15 | 3.1 | 3.8 | 4.1 | 1.9 | 2.4 | 2.6 |
| Night | 75 | 20 | 68 | BLACK_TOP | -40 | 0.95 | 1.15 | 1.30 | 3.4 | 4.1 | 4.7 | 2.1 | 2.6 | 2.9 |
| Night | 75 | 20 | 68 | BLACK_TOP | -30 | 1.05 | 1.30 | 1.45 | 3.8 | 4.7 | 5.2 | 2.4 | 2.9 | 3.2 |
| Night | 75 | 20 | 68 | BLACK_TOP | -20 | 1.20 | 1.45 | 1.60 | 4.3 | 5.2 | 5.8 | 2.7 | 3.2 | 3.6 |
| Night | 75 | 20 | 68 | BLACK_TOP | -15 | 1.30 | 1.55 | 1.70 | 4.7 | 5.6 | 6.1 | 2.9 | 3.5 | 3.8 |
| Night | 75 | 20 | 68 | BLACK_TOP | -10 | 1.40 | 1.65 | 1.80 | 5.0 | 5.9 | 6.5 | 3.1 | 3.7 | 4.0 |
| Night | 75 | 20 | 68 | BLACK_TOP | -5 | 1.50 | 1.75 | 1.90 | 5.4 | 6.3 | 6.8 | 3.4 | 3.9 | 4.3 |
| Night | 75 | 20 | 68 | BLACK_TOP | 0 | 1.60 | 1.85 | 2.05 | 5.8 | 6.7 | 7.4 | 3.6 | 4.1 | 4.6 |
| Night | 75 | 20 | 68 | BLACK_TOP | 5 | 1.15 | 1.35 | 1.55 | 4.1 | 4.9 | 5.6 | 2.6 | 3.0 | 3.5 |
| Night | 75 | 20 | 68 | BLACK_TOP | 10 | 0.85 | 1.05 | 1.15 | 3.1 | 3.8 | 4.1 | 1.9 | 2.4 | 2.6 |
| Night | 75 | 20 | 68 | BLACK_TOP | 15 | 0.65 | 0.80 | 0.90 | 2.3 | 2.9 | 3.2 | 1.5 | 1.8 | 2.0 |
| Night | 75 | 20 | 68 | BLACK_TOP | 20 | 0.50 | 0.65 | 0.75 | 1.8 | 2.3 | 2.7 | 1.1 | 1.5 | 1.7 |
| Night | 75 | 20 | 68 | BLACK_TOP | 30 | 0.35 | 0.45 | 0.55 | 1.3 | 1.6 | 2.0 | 0.8 | 1.0 | 1.2 |
| Night | 75 | 20 | 68 | BLACK_TOP | 40 | 0.25 | 0.35 | 0.40 | 0.9 | 1.3 | 1.4 | 0.6 | 0.8 | 0.9 |
| Night | 75 | 20 | 68 | BLACK_TOP | 50 | 0.20 | 0.30 | 0.35 | 0.7 | 1.1 | 1.3 | 0.4 | 0.7 | 0.8 |
| Night | 75 | 20 | 68 | DIRT_ROAD | -50 | 0.75 | 0.95 | 1.10 | 2.7 | 3.4 | 4.0 | 1.7 | 2.1 | 2.5 |
| Night | 75 | 20 | 68 | DIRT_ROAD | -40 | 0.85 | 1.10 | 1.20 | 3.1 | 4.0 | 4.3 | 1.9 | 2.5 | 2.7 |
| Night | 75 | 20 | 68 | DIRT_ROAD | -30 | 1.00 | 1.20 | 1.35 | 3.6 | 4.3 | 4.9 | 2.2 | 2.7 | 3.0 |
| Night | 75 | 20 | 68 | DIRT_ROAD | -20 | 1.15 | 1.35 | 1.50 | 4.1 | 4.9 | 5.4 | 2.6 | 3.0 | 3.4 |
| Night | 75 | 20 | 68 | DIRT_ROAD | -15 | 1.25 | 1.45 | 1.60 | 4.5 | 5.2 | 5.8 | 2.8 | 3.2 | 3.6 |
| Night | 75 | 20 | 68 | DIRT_ROAD | -10 | 1.35 | 1.55 | 1.70 | 4.9 | 5.6 | 6.1 | 3.0 | 3.5 | 3.8 |
| Night | 75 | 20 | 68 | DIRT_ROAD | -5 | 1.45 | 1.65 | 1.80 | 5.2 | 5.9 | 6.5 | 3.2 | 3.7 | 4.0 |
| Night | 75 | 20 | 68 | DIRT_ROAD | 0 | 1.55 | 1.80 | 1.95 | 5.6 | 6.5 | 7.0 | 3.5 | 4.0 | 4.4 |
| Night | 75 | 20 | 68 | DIRT_ROAD | 5 | 1.05 | 1.30 | 1.45 | 3.8 | 4.7 | 5.2 | 2.4 | 2.9 | 3.2 |
| Night | 75 | 20 | 68 | DIRT_ROAD | 10 | 0.75 | 0.95 | 1.10 | 2.7 | 3.4 | 4.0 | 1.7 | 2.1 | 2.5 |
| Night | 75 | 20 | 68 | DIRT_ROAD | 15 | 0.60 | 0.75 | 0.85 | 2.2 | 2.7 | 3.1 | 1.3 | 1.7 | 1.9 |
| Night | 75 | 20 | 68 | DIRT_ROAD | 20 | 0.45 | 0.60 | 0.70 | 1.6 | 2.2 | 2.5 | 1.0 | 1.3 | 1.6 |
| Night | 75 | 20 | 68 | DIRT_ROAD | 30 | 0.30 | 0.40 | 0.50 | 1.1 | 1.4 | 1.8 | 0.7 | 0.9 | 1.1 |
| Night | 75 | 20 | 68 | DIRT_ROAD | 40 | 0.25 | 0.30 | 0.35 | 0.9 | 1.1 | 1.3 | 0.6 | 0.7 | 0.8 |
| Night | 75 | 20 | 68 | DIRT_ROAD | 50 | 0.20 | 0.25 | 0.30 | 0.7 | 0.9 | 1.1 | 0.4 | 0.6 | 0.7 |
| Night | 75 | 20 | 68 | LOOSE_SAND | -50 | 0.45 | 0.55 | 0.65 | 1.6 | 2.0 | 2.3 | 1.0 | 1.2 | 1.5 |
| Night | 75 | 20 | 68 | LOOSE_SAND | -40 | 0.50 | 0.65 | 0.75 | 1.8 | 2.3 | 2.7 | 1.1 | 1.5 | 1.7 |
| Night | 75 | 20 | 68 | LOOSE_SAND | -30 | 0.60 | 0.75 | 0.85 | 2.2 | 2.7 | 3.1 | 1.3 | 1.7 | 1.9 |
| Night | 75 | 20 | 68 | LOOSE_SAND | -20 | 0.75 | 0.90 | 1.00 | 2.7 | 3.2 | 3.6 | 1.7 | 2.0 | 2.2 |
| Night | 75 | 20 | 68 | LOOSE_SAND | -15 | 0.80 | 1.00 | 1.10 | 2.9 | 3.6 | 4.0 | 1.8 | 2.2 | 2.5 |
| Night | 75 | 20 | 68 | LOOSE_SAND | -10 | 0.90 | 1.05 | 1.20 | 3.2 | 3.8 | 4.3 | 2.0 | 2.4 | 2.7 |
| Night | 75 | 20 | 68 | LOOSE_SAND | -5 | 1.00 | 1.15 | 1.30 | 3.6 | 4.1 | 4.7 | 2.2 | 2.6 | 2.9 |
| Night | 75 | 20 | 68 | LOOSE_SAND | 0 | 1.10 | 1.30 | 1.40 | 4.0 | 4.7 | 5.0 | 2.5 | 2.9 | 3.1 |
| Night | 75 | 20 | 68 | LOOSE_SAND | 5 | 0.65 | 0.80 | 0.95 | 2.3 | 2.9 | 3.4 | 1.5 | 1.8 | 2.1 |
| Night | 75 | 20 | 68 | LOOSE_SAND | 10 | 0.45 | 0.55 | 0.65 | 1.6 | 2.0 | 2.3 | 1.0 | 1.2 | 1.5 |
| Night | 75 | 20 | 68 | LOOSE_SAND | 15 | 0.30 | 0.40 | 0.50 | 1.1 | 1.4 | 1.8 | 0.7 | 0.9 | 1.1 |
| Night | 75 | 20 | 68 | LOOSE_SAND | 20 | 0.25 | 0.30 | 0.35 | 0.9 | 1.1 | 1.3 | 0.6 | 0.7 | 0.8 |
| Night | 75 | 20 | 68 | LOOSE_SAND | 30 | 0.15 | 0.20 | 0.25 | 0.5 | 0.7 | 0.9 | 0.3 | 0.4 | 0.6 |
| Night | 75 | 20 | 68 | LOOSE_SAND | 40 | 0.10 | 0.15 | 0.20 | 0.4 | 0.5 | 0.7 | 0.2 | 0.3 | 0.4 |
| Night | 75 | 20 | 68 | LOOSE_SAND | 50 | 0.10 | 0.10 | 0.15 | 0.4 | 0.4 | 0.5 | 0.2 | 0.2 | 0.3 |

Table F-26. Maximum Sustainable Speed, Night, 75 % Humidity, 25°C (77°F)

| Cloud Cover | RH (%) | °C | °F | Terrain Type | Grade (%) | Max Sustainable Speed (meters/second) | | | Max Sustainable Speed (kilometers/hour) | | | Max Sustainable Speed (miles/hour) | | |
|-------------|--------|----|----|--------------|-----------|---------------------------------------|------|------|---|-----|------|------------------------------------|-----|------|
| | | | | | | Risk Level | | | Risk Level | | | Risk Level | | |
| | | | | | | Low | Mod | High | Low | Mod | High | Low | Mod | High |
| Night | 75 | 25 | 77 | BLACK_TOP | -50 | 0.75 | 0.80 | 0.95 | 2.7 | 2.9 | 3.4 | 1.7 | 1.8 | 2.1 |
| Night | 75 | 25 | 77 | BLACK_TOP | -40 | 0.85 | 0.95 | 1.05 | 3.1 | 3.4 | 3.8 | 1.9 | 2.1 | 2.4 |
| Night | 75 | 25 | 77 | BLACK_TOP | -30 | 0.95 | 1.05 | 1.20 | 3.4 | 3.8 | 4.3 | 2.1 | 2.4 | 2.7 |
| Night | 75 | 25 | 77 | BLACK_TOP | -20 | 1.10 | 1.20 | 1.35 | 4.0 | 4.3 | 4.9 | 2.5 | 2.7 | 3.0 |
| Night | 75 | 25 | 77 | BLACK_TOP | -15 | 1.20 | 1.30 | 1.45 | 4.3 | 4.7 | 5.2 | 2.7 | 2.9 | 3.2 |
| Night | 75 | 25 | 77 | BLACK_TOP | -10 | 1.30 | 1.40 | 1.55 | 4.7 | 5.0 | 5.6 | 2.9 | 3.1 | 3.5 |
| Night | 75 | 25 | 77 | BLACK_TOP | -5 | 1.40 | 1.50 | 1.65 | 5.0 | 5.4 | 5.9 | 3.1 | 3.4 | 3.7 |
| Night | 75 | 25 | 77 | BLACK_TOP | 0 | 1.50 | 1.60 | 1.75 | 5.4 | 5.8 | 6.3 | 3.4 | 3.6 | 3.9 |
| Night | 75 | 25 | 77 | BLACK_TOP | 5 | 1.05 | 1.15 | 1.30 | 3.8 | 4.1 | 4.7 | 2.4 | 2.6 | 2.9 |
| Night | 75 | 25 | 77 | BLACK_TOP | 10 | 0.75 | 0.80 | 0.95 | 2.7 | 2.9 | 3.4 | 1.7 | 1.8 | 2.1 |
| Night | 75 | 25 | 77 | BLACK_TOP | 15 | 0.55 | 0.60 | 0.75 | 2.0 | 2.2 | 2.7 | 1.2 | 1.3 | 1.7 |
| Night | 75 | 25 | 77 | BLACK_TOP | 20 | 0.45 | 0.50 | 0.60 | 1.6 | 1.8 | 2.2 | 1.0 | 1.1 | 1.3 |
| Night | 75 | 25 | 77 | BLACK_TOP | 30 | 0.30 | 0.35 | 0.40 | 1.1 | 1.3 | 1.4 | 0.7 | 0.8 | 0.9 |
| Night | 75 | 25 | 77 | BLACK_TOP | 40 | 0.20 | 0.25 | 0.30 | 0.7 | 0.9 | 1.1 | 0.4 | 0.6 | 0.7 |
| Night | 75 | 25 | 77 | BLACK_TOP | 50 | 0.15 | 0.20 | 0.25 | 0.5 | 0.7 | 0.9 | 0.3 | 0.4 | 0.6 |
| Night | 75 | 25 | 77 | DIRT_ROAD | -50 | 0.70 | 0.75 | 0.90 | 2.5 | 2.7 | 3.2 | 1.6 | 1.7 | 2.0 |
| Night | 75 | 25 | 77 | DIRT_ROAD | -40 | 0.75 | 0.85 | 1.00 | 2.7 | 3.1 | 3.6 | 1.7 | 1.9 | 2.2 |
| Night | 75 | 25 | 77 | DIRT_ROAD | -30 | 0.90 | 1.00 | 1.10 | 3.2 | 3.6 | 4.0 | 2.0 | 2.2 | 2.5 |
| Night | 75 | 25 | 77 | DIRT_ROAD | -20 | 1.05 | 1.15 | 1.30 | 3.8 | 4.1 | 4.7 | 2.4 | 2.6 | 2.9 |
| Night | 75 | 25 | 77 | DIRT_ROAD | -15 | 1.15 | 1.25 | 1.35 | 4.1 | 4.5 | 4.9 | 2.6 | 2.8 | 3.0 |
| Night | 75 | 25 | 77 | DIRT_ROAD | -10 | 1.20 | 1.30 | 1.45 | 4.3 | 4.7 | 5.2 | 2.7 | 2.9 | 3.2 |
| Night | 75 | 25 | 77 | DIRT_ROAD | -5 | 1.30 | 1.40 | 1.55 | 4.7 | 5.0 | 5.6 | 2.9 | 3.1 | 3.5 |
| Night | 75 | 25 | 77 | DIRT_ROAD | 0 | 1.45 | 1.55 | 1.70 | 5.2 | 5.6 | 6.1 | 3.2 | 3.5 | 3.8 |
| Night | 75 | 25 | 77 | DIRT_ROAD | 5 | 0.95 | 1.05 | 1.20 | 3.4 | 3.8 | 4.3 | 2.1 | 2.4 | 2.7 |
| Night | 75 | 25 | 77 | DIRT_ROAD | 10 | 0.70 | 0.75 | 0.90 | 2.5 | 2.7 | 3.2 | 1.6 | 1.7 | 2.0 |
| Night | 75 | 25 | 77 | DIRT_ROAD | 15 | 0.50 | 0.55 | 0.65 | 1.8 | 2.0 | 2.3 | 1.1 | 1.2 | 1.5 |
| Night | 75 | 25 | 77 | DIRT_ROAD | 20 | 0.40 | 0.45 | 0.55 | 1.4 | 1.6 | 2.0 | 0.9 | 1.0 | 1.2 |
| Night | 75 | 25 | 77 | DIRT_ROAD | 30 | 0.25 | 0.30 | 0.35 | 0.9 | 1.1 | 1.3 | 0.6 | 0.7 | 0.8 |
| Night | 75 | 25 | 77 | DIRT_ROAD | 40 | 0.20 | 0.25 | 0.30 | 0.7 | 0.9 | 1.1 | 0.4 | 0.6 | 0.7 |
| Night | 75 | 25 | 77 | DIRT_ROAD | 50 | 0.15 | 0.20 | 0.20 | 0.5 | 0.7 | 0.7 | 0.3 | 0.4 | 0.4 |
| Night | 75 | 25 | 77 | LOOSE_SAND | -50 | 0.40 | 0.45 | 0.50 | 1.4 | 1.6 | 1.8 | 0.9 | 1.0 | 1.1 |
| Night | 75 | 25 | 77 | LOOSE_SAND | -40 | 0.45 | 0.50 | 0.60 | 1.6 | 1.8 | 2.2 | 1.0 | 1.1 | 1.3 |
| Night | 75 | 25 | 77 | LOOSE_SAND | -30 | 0.55 | 0.60 | 0.70 | 2.0 | 2.2 | 2.5 | 1.2 | 1.3 | 1.6 |
| Night | 75 | 25 | 77 | LOOSE_SAND | -20 | 0.65 | 0.75 | 0.85 | 2.3 | 2.7 | 3.1 | 1.5 | 1.7 | 1.9 |
| Night | 75 | 25 | 77 | LOOSE_SAND | -15 | 0.75 | 0.80 | 0.90 | 2.7 | 2.9 | 3.2 | 1.7 | 1.8 | 2.0 |
| Night | 75 | 25 | 77 | LOOSE_SAND | -10 | 0.80 | 0.90 | 1.00 | 2.9 | 3.2 | 3.6 | 1.8 | 2.0 | 2.2 |
| Night | 75 | 25 | 77 | LOOSE_SAND | -5 | 0.90 | 1.00 | 1.10 | 3.2 | 3.6 | 4.0 | 2.0 | 2.2 | 2.5 |
| Night | 75 | 25 | 77 | LOOSE_SAND | 0 | 1.05 | 1.10 | 1.20 | 3.8 | 4.0 | 4.3 | 2.4 | 2.5 | 2.7 |
| Night | 75 | 25 | 77 | LOOSE_SAND | 5 | 0.60 | 0.65 | 0.75 | 2.2 | 2.3 | 2.7 | 1.3 | 1.5 | 1.7 |
| Night | 75 | 25 | 77 | LOOSE_SAND | 10 | 0.40 | 0.45 | 0.50 | 1.4 | 1.6 | 1.8 | 0.9 | 1.0 | 1.1 |
| Night | 75 | 25 | 77 | LOOSE_SAND | 15 | 0.25 | 0.30 | 0.35 | 0.9 | 1.1 | 1.3 | 0.6 | 0.7 | 0.8 |
| Night | 75 | 25 | 77 | LOOSE_SAND | 20 | 0.20 | 0.25 | 0.30 | 0.7 | 0.9 | 1.1 | 0.4 | 0.6 | 0.7 |
| Night | 75 | 25 | 77 | LOOSE_SAND | 30 | 0.15 | 0.15 | 0.20 | 0.5 | 0.5 | 0.7 | 0.3 | 0.3 | 0.4 |
| Night | 75 | 25 | 77 | LOOSE_SAND | 40 | 0.10 | 0.10 | 0.15 | 0.4 | 0.4 | 0.5 | 0.2 | 0.2 | 0.3 |
| Night | 75 | 25 | 77 | LOOSE_SAND | 50 | 0.05 | 0.10 | 0.10 | 0.2 | 0.4 | 0.4 | 0.1 | 0.2 | 0.2 |

Table F-27. Maximum Sustainable Speed, Night, 75% Humidity, 30°C (86°F)

| Cloud Cover | RH (%) | °C | °F | Terrain Type | Grade (%) | Max Sustainable Speed (meters/second) | | | Max Sustainable Speed (kilometers/hour) | | | Max Sustainable Speed (miles/hour) | | |
|-------------|--------|----|----|--------------|-----------|---------------------------------------|------|------|---|-----|------|------------------------------------|-----|------|
| | | | | | | Risk Level | | | Risk Level | | | Risk Level | | |
| | | | | | | Low | Mod | High | Low | Mod | High | Low | Mod | High |
| Night | 75 | 30 | 86 | BLACK_TOP | -50 | 0.50 | 0.55 | 0.65 | 1.8 | 2.0 | 2.3 | 1.1 | 1.2 | 1.5 |
| Night | 75 | 30 | 86 | BLACK_TOP | -40 | 0.55 | 0.65 | 0.75 | 2.0 | 2.3 | 2.7 | 1.2 | 1.5 | 1.7 |
| Night | 75 | 30 | 86 | BLACK_TOP | -30 | 0.70 | 0.75 | 0.90 | 2.5 | 2.7 | 3.2 | 1.6 | 1.7 | 2.0 |
| Night | 75 | 30 | 86 | BLACK_TOP | -20 | 0.80 | 0.90 | 1.05 | 2.9 | 3.2 | 3.8 | 1.8 | 2.0 | 2.4 |
| Night | 75 | 30 | 86 | BLACK_TOP | -15 | 0.90 | 1.00 | 1.10 | 3.2 | 3.6 | 4.0 | 2.0 | 2.2 | 2.5 |
| Night | 75 | 30 | 86 | BLACK_TOP | -10 | 1.00 | 1.05 | 1.20 | 3.6 | 3.8 | 4.3 | 2.2 | 2.4 | 2.7 |
| Night | 75 | 30 | 86 | BLACK_TOP | -5 | 1.10 | 1.15 | 1.30 | 4.0 | 4.1 | 4.7 | 2.5 | 2.6 | 2.9 |
| Night | 75 | 30 | 86 | BLACK_TOP | 0 | 1.20 | 1.30 | 1.45 | 4.3 | 4.7 | 5.2 | 2.7 | 2.9 | 3.2 |
| Night | 75 | 30 | 86 | BLACK_TOP | 5 | 0.75 | 0.80 | 0.95 | 2.7 | 2.9 | 3.4 | 1.7 | 1.8 | 2.1 |
| Night | 75 | 30 | 86 | BLACK_TOP | 10 | 0.50 | 0.55 | 0.65 | 1.8 | 2.0 | 2.3 | 1.1 | 1.2 | 1.5 |
| Night | 75 | 30 | 86 | BLACK_TOP | 15 | 0.35 | 0.40 | 0.50 | 1.3 | 1.4 | 1.8 | 0.8 | 0.9 | 1.1 |
| Night | 75 | 30 | 86 | BLACK_TOP | 20 | 0.25 | 0.30 | 0.40 | 0.9 | 1.1 | 1.4 | 0.6 | 0.7 | 0.9 |
| Night | 75 | 30 | 86 | BLACK_TOP | 30 | 0.20 | 0.20 | 0.25 | 0.7 | 0.7 | 0.9 | 0.4 | 0.4 | 0.6 |
| Night | 75 | 30 | 86 | BLACK_TOP | 40 | 0.15 | 0.15 | 0.20 | 0.5 | 0.5 | 0.7 | 0.3 | 0.3 | 0.4 |
| Night | 75 | 30 | 86 | BLACK_TOP | 50 | 0.10 | 0.10 | 0.15 | 0.4 | 0.4 | 0.5 | 0.2 | 0.2 | 0.3 |
| Night | 75 | 30 | 86 | DIRT_ROAD | -50 | 0.45 | 0.50 | 0.60 | 1.6 | 1.8 | 2.2 | 1.0 | 1.1 | 1.3 |
| Night | 75 | 30 | 86 | DIRT_ROAD | -40 | 0.55 | 0.60 | 0.70 | 2.0 | 2.2 | 2.5 | 1.2 | 1.3 | 1.6 |
| Night | 75 | 30 | 86 | DIRT_ROAD | -30 | 0.65 | 0.70 | 0.85 | 2.3 | 2.5 | 3.1 | 1.5 | 1.6 | 1.9 |
| Night | 75 | 30 | 86 | DIRT_ROAD | -20 | 0.75 | 0.85 | 0.95 | 2.7 | 3.1 | 3.4 | 1.7 | 1.9 | 2.1 |
| Night | 75 | 30 | 86 | DIRT_ROAD | -15 | 0.85 | 0.90 | 1.05 | 3.1 | 3.2 | 3.8 | 1.9 | 2.0 | 2.4 |
| Night | 75 | 30 | 86 | DIRT_ROAD | -10 | 0.90 | 1.00 | 1.15 | 3.2 | 3.6 | 4.1 | 2.0 | 2.2 | 2.6 |
| Night | 75 | 30 | 86 | DIRT_ROAD | -5 | 1.00 | 1.10 | 1.25 | 3.6 | 4.0 | 4.5 | 2.2 | 2.5 | 2.8 |
| Night | 75 | 30 | 86 | DIRT_ROAD | 0 | 1.15 | 1.20 | 1.35 | 4.1 | 4.3 | 4.9 | 2.6 | 2.7 | 3.0 |
| Night | 75 | 30 | 86 | DIRT_ROAD | 5 | 0.70 | 0.75 | 0.90 | 2.5 | 2.7 | 3.2 | 1.6 | 1.7 | 2.0 |
| Night | 75 | 30 | 86 | DIRT_ROAD | 10 | 0.45 | 0.50 | 0.60 | 1.6 | 1.8 | 2.2 | 1.0 | 1.1 | 1.3 |
| Night | 75 | 30 | 86 | DIRT_ROAD | 15 | 0.30 | 0.35 | 0.45 | 1.1 | 1.3 | 1.6 | 0.7 | 0.8 | 1.0 |
| Night | 75 | 30 | 86 | DIRT_ROAD | 20 | 0.25 | 0.30 | 0.35 | 0.9 | 1.1 | 1.3 | 0.6 | 0.7 | 0.8 |
| Night | 75 | 30 | 86 | DIRT_ROAD | 30 | 0.15 | 0.20 | 0.25 | 0.5 | 0.7 | 0.9 | 0.3 | 0.4 | 0.6 |
| Night | 75 | 30 | 86 | DIRT_ROAD | 40 | 0.10 | 0.15 | 0.20 | 0.4 | 0.5 | 0.7 | 0.2 | 0.3 | 0.4 |
| Night | 75 | 30 | 86 | DIRT_ROAD | 50 | 0.10 | 0.10 | 0.15 | 0.4 | 0.4 | 0.5 | 0.2 | 0.2 | 0.3 |
| Night | 75 | 30 | 86 | LOOSE_SAND | -50 | 0.25 | 0.30 | 0.35 | 0.9 | 1.1 | 1.3 | 0.6 | 0.7 | 0.8 |
| Night | 75 | 30 | 86 | LOOSE_SAND | -40 | 0.30 | 0.35 | 0.40 | 1.1 | 1.3 | 1.4 | 0.7 | 0.8 | 0.9 |
| Night | 75 | 30 | 86 | LOOSE_SAND | -30 | 0.35 | 0.40 | 0.50 | 1.3 | 1.4 | 1.8 | 0.8 | 0.9 | 1.1 |
| Night | 75 | 30 | 86 | LOOSE_SAND | -20 | 0.45 | 0.50 | 0.60 | 1.6 | 1.8 | 2.2 | 1.0 | 1.1 | 1.3 |
| Night | 75 | 30 | 86 | LOOSE_SAND | -15 | 0.55 | 0.60 | 0.70 | 2.0 | 2.2 | 2.5 | 1.2 | 1.3 | 1.6 |
| Night | 75 | 30 | 86 | LOOSE_SAND | -10 | 0.60 | 0.65 | 0.75 | 2.2 | 2.3 | 2.7 | 1.3 | 1.5 | 1.7 |
| Night | 75 | 30 | 86 | LOOSE_SAND | -5 | 0.70 | 0.75 | 0.85 | 2.5 | 2.7 | 3.1 | 1.6 | 1.7 | 1.9 |
| Night | 75 | 30 | 86 | LOOSE_SAND | 0 | 0.80 | 0.90 | 1.00 | 2.9 | 3.2 | 3.6 | 1.8 | 2.0 | 2.2 |
| Night | 75 | 30 | 86 | LOOSE_SAND | 5 | 0.40 | 0.45 | 0.55 | 1.4 | 1.6 | 2.0 | 0.9 | 1.0 | 1.2 |
| Night | 75 | 30 | 86 | LOOSE_SAND | 10 | 0.25 | 0.30 | 0.35 | 0.9 | 1.1 | 1.3 | 0.6 | 0.7 | 0.8 |
| Night | 75 | 30 | 86 | LOOSE_SAND | 15 | 0.15 | 0.20 | 0.25 | 0.5 | 0.7 | 0.9 | 0.3 | 0.4 | 0.6 |
| Night | 75 | 30 | 86 | LOOSE_SAND | 20 | 0.10 | 0.15 | 0.20 | 0.4 | 0.5 | 0.7 | 0.2 | 0.3 | 0.4 |
| Night | 75 | 30 | 86 | LOOSE_SAND | 30 | 0.05 | 0.10 | 0.10 | 0.2 | 0.4 | 0.4 | 0.1 | 0.2 | 0.2 |
| Night | 75 | 30 | 86 | LOOSE_SAND | 40 | 0.05 | 0.05 | 0.10 | 0.2 | 0.2 | 0.4 | 0.1 | 0.1 | 0.2 |
| Night | 75 | 30 | 86 | LOOSE_SAND | 50 | 0.05 | 0.05 | 0.05 | 0.2 | 0.2 | 0.2 | 0.1 | 0.1 | 0.1 |

Table F-28. Maximum Sustainable Speed, Night, 75% Humidity, 35°C (95°F)

| Cloud Cover | RH (%) | °C | °F | Terrain Type | Grade (%) | Max Sustainable Speed (meters/second) | | | Max Sustainable Speed (kilometers/hour) | | | Max Sustainable Speed (miles/hour) | | |
|-------------|--------|----|----|--------------|-----------|---------------------------------------|------|------|---|-----|------|------------------------------------|-----|------|
| | | | | | | Risk Level | | | Risk Level | | | Risk Level | | |
| | | | | | | Low | Mod | High | Low | Mod | High | Low | Mod | High |
| Night | 75 | 35 | 95 | BLACK_TOP | -50 | 0.15 | 0.20 | 0.35 | 0.5 | 0.7 | 1.3 | 0.3 | 0.4 | 0.8 |
| Night | 75 | 35 | 95 | BLACK_TOP | -40 | 0.20 | 0.25 | 0.40 | 0.7 | 0.9 | 1.4 | 0.4 | 0.6 | 0.9 |
| Night | 75 | 35 | 95 | BLACK_TOP | -30 | 0.25 | 0.35 | 0.50 | 0.9 | 1.3 | 1.8 | 0.6 | 0.8 | 1.1 |
| Night | 75 | 35 | 95 | BLACK_TOP | -20 | 0.35 | 0.45 | 0.60 | 1.3 | 1.6 | 2.2 | 0.8 | 1.0 | 1.3 |
| Night | 75 | 35 | 95 | BLACK_TOP | -15 | 0.40 | 0.50 | 0.65 | 1.4 | 1.8 | 2.3 | 0.9 | 1.1 | 1.5 |
| Night | 75 | 35 | 95 | BLACK_TOP | -10 | 0.45 | 0.55 | 0.75 | 1.6 | 2.0 | 2.7 | 1.0 | 1.2 | 1.7 |
| Night | 75 | 35 | 95 | BLACK_TOP | -5 | 0.55 | 0.65 | 0.85 | 2.0 | 2.3 | 3.1 | 1.2 | 1.5 | 1.9 |
| Night | 75 | 35 | 95 | BLACK_TOP | 0 | 0.65 | 0.75 | 0.95 | 2.3 | 2.7 | 3.4 | 1.5 | 1.7 | 2.1 |
| Night | 75 | 35 | 95 | BLACK_TOP | 5 | 0.30 | 0.35 | 0.55 | 1.1 | 1.3 | 2.0 | 0.7 | 0.8 | 1.2 |
| Night | 75 | 35 | 95 | BLACK_TOP | 10 | 0.15 | 0.20 | 0.35 | 0.5 | 0.7 | 1.3 | 0.3 | 0.4 | 0.8 |
| Night | 75 | 35 | 95 | BLACK_TOP | 15 | 0.10 | 0.15 | 0.25 | 0.4 | 0.5 | 0.9 | 0.2 | 0.3 | 0.6 |
| Night | 75 | 35 | 95 | BLACK_TOP | 20 | 0.05 | 0.10 | 0.15 | 0.2 | 0.4 | 0.5 | 0.1 | 0.2 | 0.3 |
| Night | 75 | 35 | 95 | BLACK_TOP | 30 | 0.05 | 0.05 | 0.10 | 0.2 | 0.2 | 0.4 | 0.1 | 0.1 | 0.2 |
| Night | 75 | 35 | 95 | BLACK_TOP | 40 | 0.00 | 0.05 | 0.10 | 0.0 | 0.2 | 0.4 | 0.0 | 0.1 | 0.2 |
| Night | 75 | 35 | 95 | BLACK_TOP | 50 | 0.00 | 0.05 | 0.05 | 0.0 | 0.2 | 0.2 | 0.0 | 0.1 | 0.1 |
| Night | 75 | 35 | 95 | DIRT_ROAD | -50 | 0.15 | 0.20 | 0.30 | 0.5 | 0.7 | 1.1 | 0.3 | 0.4 | 0.7 |
| Night | 75 | 35 | 95 | DIRT_ROAD | -40 | 0.20 | 0.25 | 0.35 | 0.7 | 0.9 | 1.3 | 0.4 | 0.6 | 0.8 |
| Night | 75 | 35 | 95 | DIRT_ROAD | -30 | 0.25 | 0.30 | 0.45 | 0.9 | 1.1 | 1.6 | 0.6 | 0.7 | 1.0 |
| Night | 75 | 35 | 95 | DIRT_ROAD | -20 | 0.30 | 0.40 | 0.55 | 1.1 | 1.4 | 2.0 | 0.7 | 0.9 | 1.2 |
| Night | 75 | 35 | 95 | DIRT_ROAD | -15 | 0.35 | 0.45 | 0.60 | 1.3 | 1.6 | 2.2 | 0.8 | 1.0 | 1.3 |
| Night | 75 | 35 | 95 | DIRT_ROAD | -10 | 0.45 | 0.55 | 0.70 | 1.6 | 2.0 | 2.5 | 1.0 | 1.2 | 1.6 |
| Night | 75 | 35 | 95 | DIRT_ROAD | -5 | 0.50 | 0.60 | 0.80 | 1.8 | 2.2 | 2.9 | 1.1 | 1.3 | 1.8 |
| Night | 75 | 35 | 95 | DIRT_ROAD | 0 | 0.60 | 0.75 | 0.90 | 2.2 | 2.7 | 3.2 | 1.3 | 1.7 | 2.0 |
| Night | 75 | 35 | 95 | DIRT_ROAD | 5 | 0.25 | 0.35 | 0.50 | 0.9 | 1.3 | 1.8 | 0.6 | 0.8 | 1.1 |
| Night | 75 | 35 | 95 | DIRT_ROAD | 10 | 0.15 | 0.20 | 0.30 | 0.5 | 0.7 | 1.1 | 0.3 | 0.4 | 0.7 |
| Night | 75 | 35 | 95 | DIRT_ROAD | 15 | 0.10 | 0.15 | 0.20 | 0.4 | 0.5 | 0.7 | 0.2 | 0.3 | 0.4 |
| Night | 75 | 35 | 95 | DIRT_ROAD | 20 | 0.05 | 0.10 | 0.15 | 0.2 | 0.4 | 0.5 | 0.1 | 0.2 | 0.3 |
| Night | 75 | 35 | 95 | DIRT_ROAD | 30 | 0.05 | 0.05 | 0.10 | 0.2 | 0.2 | 0.4 | 0.1 | 0.1 | 0.2 |
| Night | 75 | 35 | 95 | DIRT_ROAD | 40 | 0.00 | 0.05 | 0.05 | 0.0 | 0.2 | 0.2 | 0.0 | 0.1 | 0.1 |
| Night | 75 | 35 | 95 | DIRT_ROAD | 50 | 0.00 | 0.00 | 0.05 | 0.0 | 0.0 | 0.2 | 0.0 | 0.0 | 0.1 |
| Night | 75 | 35 | 95 | LOOSE_SAND | -50 | 0.05 | 0.10 | 0.15 | 0.2 | 0.4 | 0.5 | 0.1 | 0.2 | 0.3 |
| Night | 75 | 35 | 95 | LOOSE_SAND | -40 | 0.10 | 0.10 | 0.20 | 0.4 | 0.4 | 0.7 | 0.2 | 0.2 | 0.4 |
| Night | 75 | 35 | 95 | LOOSE_SAND | -30 | 0.10 | 0.15 | 0.25 | 0.4 | 0.5 | 0.9 | 0.2 | 0.3 | 0.6 |
| Night | 75 | 35 | 95 | LOOSE_SAND | -20 | 0.15 | 0.25 | 0.35 | 0.5 | 0.9 | 1.3 | 0.3 | 0.6 | 0.8 |
| Night | 75 | 35 | 95 | LOOSE_SAND | -15 | 0.20 | 0.25 | 0.40 | 0.7 | 0.9 | 1.4 | 0.4 | 0.6 | 0.9 |
| Night | 75 | 35 | 95 | LOOSE_SAND | -10 | 0.25 | 0.35 | 0.45 | 0.9 | 1.3 | 1.6 | 0.6 | 0.8 | 1.0 |
| Night | 75 | 35 | 95 | LOOSE_SAND | -5 | 0.35 | 0.40 | 0.55 | 1.3 | 1.4 | 2.0 | 0.8 | 0.9 | 1.2 |
| Night | 75 | 35 | 95 | LOOSE_SAND | 0 | 0.45 | 0.50 | 0.65 | 1.6 | 1.8 | 2.3 | 1.0 | 1.1 | 1.5 |
| Night | 75 | 35 | 95 | LOOSE_SAND | 5 | 0.15 | 0.20 | 0.30 | 0.5 | 0.7 | 1.1 | 0.3 | 0.4 | 0.7 |
| Night | 75 | 35 | 95 | LOOSE_SAND | 10 | 0.05 | 0.10 | 0.15 | 0.2 | 0.4 | 0.5 | 0.1 | 0.2 | 0.3 |
| Night | 75 | 35 | 95 | LOOSE_SAND | 15 | 0.05 | 0.05 | 0.10 | 0.2 | 0.2 | 0.4 | 0.1 | 0.1 | 0.2 |
| Night | 75 | 35 | 95 | LOOSE_SAND | 20 | 0.00 | 0.05 | 0.05 | 0.0 | 0.2 | 0.2 | 0.0 | 0.1 | 0.1 |
| Night | 75 | 35 | 95 | LOOSE_SAND | 30 | 0.00 | 0.00 | 0.05 | 0.0 | 0.0 | 0.2 | 0.0 | 0.0 | 0.1 |
| Night | 75 | 35 | 95 | LOOSE_SAND | 40 | 0.00 | 0.00 | 0.00 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Night | 75 | 35 | 95 | LOOSE_SAND | 50 | 0.00 | 0.00 | 0.00 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

Table F-29. Maximum Sustainable Speed, Night, 95% Humidity, 5°C (41°F)

| Cloud Cover | RH (%) | °C | °F | Terrain Type | Grade (%) | Max Sustainable Speed (meters/second) | | | Max Sustainable Speed (kilometers/hour) | | | Max Sustainable Speed (miles/hour) | | |
|-------------|--------|----|----|--------------|-----------|---------------------------------------|------|------|---|-----|------|------------------------------------|-----|------|
| | | | | | | Risk Level | | | Risk Level | | | Risk Level | | |
| | | | | | | Low | Mod | High | Low | Mod | High | Low | Mod | High |
| Night | 95 | 5 | 41 | BLACK_TOP | -50 | 1.05 | 1.30 | 1.60 | 3.8 | 4.7 | 5.8 | 2.4 | 2.9 | 3.6 |
| Night | 95 | 5 | 41 | BLACK_TOP | -40 | 1.15 | 1.45 | 1.75 | 4.1 | 5.2 | 6.3 | 2.6 | 3.2 | 3.9 |
| Night | 95 | 5 | 41 | BLACK_TOP | -30 | 1.30 | 1.60 | 1.90 | 4.7 | 5.8 | 6.8 | 2.9 | 3.6 | 4.3 |
| Night | 95 | 5 | 41 | BLACK_TOP | -20 | 1.50 | 1.75 | 2.10 | 5.4 | 6.3 | 7.6 | 3.4 | 3.9 | 4.7 |
| Night | 95 | 5 | 41 | BLACK_TOP | -15 | 1.55 | 1.85 | 2.20 | 5.6 | 6.7 | 7.9 | 3.5 | 4.1 | 4.9 |
| Night | 95 | 5 | 41 | BLACK_TOP | -10 | 1.65 | 1.95 | 2.30 | 5.9 | 7.0 | 8.3 | 3.7 | 4.4 | 5.2 |
| Night | 95 | 5 | 41 | BLACK_TOP | -5 | 1.75 | 2.10 | 2.40 | 6.3 | 7.6 | 8.6 | 3.9 | 4.7 | 5.4 |
| Night | 95 | 5 | 41 | BLACK_TOP | 0 | 1.90 | 2.20 | 2.50 | 6.8 | 7.9 | 9.0 | 4.3 | 4.9 | 5.6 |
| Night | 95 | 5 | 41 | BLACK_TOP | 5 | 1.40 | 1.70 | 2.00 | 5.0 | 6.1 | 7.2 | 3.1 | 3.8 | 4.5 |
| Night | 95 | 5 | 41 | BLACK_TOP | 10 | 1.05 | 1.30 | 1.60 | 3.8 | 4.7 | 5.8 | 2.4 | 2.9 | 3.6 |
| Night | 95 | 5 | 41 | BLACK_TOP | 15 | 0.80 | 1.05 | 1.30 | 2.9 | 3.8 | 4.7 | 1.8 | 2.4 | 2.9 |
| Night | 95 | 5 | 41 | BLACK_TOP | 20 | 0.65 | 0.85 | 1.10 | 2.3 | 3.1 | 4.0 | 1.5 | 1.9 | 2.5 |
| Night | 95 | 5 | 41 | BLACK_TOP | 30 | 0.45 | 0.60 | 0.80 | 1.6 | 2.2 | 2.9 | 1.0 | 1.3 | 1.8 |
| Night | 95 | 5 | 41 | BLACK_TOP | 40 | 0.35 | 0.50 | 0.65 | 1.3 | 1.8 | 2.3 | 0.8 | 1.1 | 1.5 |
| Night | 95 | 5 | 41 | BLACK_TOP | 50 | 0.30 | 0.40 | 0.50 | 1.1 | 1.4 | 1.8 | 0.7 | 0.9 | 1.1 |
| Night | 95 | 5 | 41 | DIRT_ROAD | -50 | 0.95 | 1.20 | 1.50 | 3.4 | 4.3 | 5.4 | 2.1 | 2.7 | 3.4 |
| Night | 95 | 5 | 41 | DIRT_ROAD | -40 | 1.10 | 1.35 | 1.65 | 4.0 | 4.9 | 5.9 | 2.5 | 3.0 | 3.7 |
| Night | 95 | 5 | 41 | DIRT_ROAD | -30 | 1.25 | 1.50 | 1.80 | 4.5 | 5.4 | 6.5 | 2.8 | 3.4 | 4.0 |
| Night | 95 | 5 | 41 | DIRT_ROAD | -20 | 1.40 | 1.65 | 2.00 | 5.0 | 5.9 | 7.2 | 3.1 | 3.7 | 4.5 |
| Night | 95 | 5 | 41 | DIRT_ROAD | -15 | 1.50 | 1.75 | 2.10 | 5.4 | 6.3 | 7.6 | 3.4 | 3.9 | 4.7 |
| Night | 95 | 5 | 41 | DIRT_ROAD | -10 | 1.60 | 1.85 | 2.20 | 5.8 | 6.7 | 7.9 | 3.6 | 4.1 | 4.9 |
| Night | 95 | 5 | 41 | DIRT_ROAD | -5 | 1.70 | 2.00 | 2.30 | 6.1 | 7.2 | 8.3 | 3.8 | 4.5 | 5.2 |
| Night | 95 | 5 | 41 | DIRT_ROAD | 0 | 1.80 | 2.10 | 2.40 | 6.5 | 7.6 | 8.6 | 4.0 | 4.7 | 5.4 |
| Night | 95 | 5 | 41 | DIRT_ROAD | 5 | 1.30 | 1.60 | 1.90 | 4.7 | 5.8 | 6.8 | 2.9 | 3.6 | 4.3 |
| Night | 95 | 5 | 41 | DIRT_ROAD | 10 | 0.95 | 1.20 | 1.50 | 3.4 | 4.3 | 5.4 | 2.1 | 2.7 | 3.4 |
| Night | 95 | 5 | 41 | DIRT_ROAD | 15 | 0.75 | 0.95 | 1.20 | 2.7 | 3.4 | 4.3 | 1.7 | 2.1 | 2.7 |
| Night | 95 | 5 | 41 | DIRT_ROAD | 20 | 0.60 | 0.80 | 1.00 | 2.2 | 2.9 | 3.6 | 1.3 | 1.8 | 2.2 |
| Night | 95 | 5 | 41 | DIRT_ROAD | 30 | 0.40 | 0.55 | 0.75 | 1.4 | 2.0 | 2.7 | 0.9 | 1.2 | 1.7 |
| Night | 95 | 5 | 41 | DIRT_ROAD | 40 | 0.30 | 0.45 | 0.55 | 1.1 | 1.6 | 2.0 | 0.7 | 1.0 | 1.2 |
| Night | 95 | 5 | 41 | DIRT_ROAD | 50 | 0.25 | 0.35 | 0.45 | 0.9 | 1.3 | 1.6 | 0.6 | 0.8 | 1.0 |
| Night | 95 | 5 | 41 | LOOSE_SAND | -50 | 0.55 | 0.75 | 0.90 | 2.0 | 2.7 | 3.2 | 1.2 | 1.7 | 2.0 |
| Night | 95 | 5 | 41 | LOOSE_SAND | -40 | 0.65 | 0.85 | 1.05 | 2.3 | 3.1 | 3.8 | 1.5 | 1.9 | 2.4 |
| Night | 95 | 5 | 41 | LOOSE_SAND | -30 | 0.75 | 0.95 | 1.15 | 2.7 | 3.4 | 4.1 | 1.7 | 2.1 | 2.6 |
| Night | 95 | 5 | 41 | LOOSE_SAND | -20 | 0.90 | 1.10 | 1.35 | 3.2 | 4.0 | 4.9 | 2.0 | 2.5 | 3.0 |
| Night | 95 | 5 | 41 | LOOSE_SAND | -15 | 1.00 | 1.20 | 1.40 | 3.6 | 4.3 | 5.0 | 2.2 | 2.7 | 3.1 |
| Night | 95 | 5 | 41 | LOOSE_SAND | -10 | 1.10 | 1.30 | 1.50 | 4.0 | 4.7 | 5.4 | 2.5 | 2.9 | 3.4 |
| Night | 95 | 5 | 41 | LOOSE_SAND | -5 | 1.20 | 1.40 | 1.60 | 4.3 | 5.0 | 5.8 | 2.7 | 3.1 | 3.6 |
| Night | 95 | 5 | 41 | LOOSE_SAND | 0 | 1.30 | 1.50 | 1.75 | 4.7 | 5.4 | 6.3 | 2.9 | 3.4 | 3.9 |
| Night | 95 | 5 | 41 | LOOSE_SAND | 5 | 0.85 | 1.05 | 1.25 | 3.1 | 3.8 | 4.5 | 1.9 | 2.4 | 2.8 |
| Night | 95 | 5 | 41 | LOOSE_SAND | 10 | 0.55 | 0.75 | 0.90 | 2.0 | 2.7 | 3.2 | 1.2 | 1.7 | 2.0 |
| Night | 95 | 5 | 41 | LOOSE_SAND | 15 | 0.40 | 0.55 | 0.70 | 1.4 | 2.0 | 2.5 | 0.9 | 1.2 | 1.6 |
| Night | 95 | 5 | 41 | LOOSE_SAND | 20 | 0.30 | 0.45 | 0.55 | 1.1 | 1.6 | 2.0 | 0.7 | 1.0 | 1.2 |
| Night | 95 | 5 | 41 | LOOSE_SAND | 30 | 0.20 | 0.30 | 0.40 | 0.7 | 1.1 | 1.4 | 0.4 | 0.7 | 0.9 |
| Night | 95 | 5 | 41 | LOOSE_SAND | 40 | 0.15 | 0.20 | 0.30 | 0.5 | 0.7 | 1.1 | 0.3 | 0.4 | 0.7 |
| Night | 95 | 5 | 41 | LOOSE_SAND | 50 | 0.10 | 0.15 | 0.25 | 0.4 | 0.5 | 0.9 | 0.2 | 0.3 | 0.6 |

Table F-30. Maximum Sustainable Speed, Night, 95% Humidity, 10°C (50°F)

| Cloud Cover | RH (%) | °C | °F | Terrain Type | Grade (%) | Max Sustainable Speed (meters/second) | | | Max Sustainable Speed (kilometers/hour) | | | Max Sustainable Speed (miles/hour) | | |
|-------------|--------|----|----|--------------|-----------|---------------------------------------|------|------|---|-----|------|------------------------------------|-----|------|
| | | | | | | Risk Level | | | Risk Level | | | Risk Level | | |
| | | | | | | Low | Mod | High | Low | Mod | High | Low | Mod | High |
| Night | 95 | 10 | 50 | BLACK_TOP | -50 | 1.00 | 1.25 | 1.50 | 3.6 | 4.5 | 5.4 | 2.2 | 2.8 | 3.4 |
| Night | 95 | 10 | 50 | BLACK_TOP | -40 | 1.10 | 1.35 | 1.65 | 4.0 | 4.9 | 5.9 | 2.5 | 3.0 | 3.7 |
| Night | 95 | 10 | 50 | BLACK_TOP | -30 | 1.25 | 1.50 | 1.80 | 4.5 | 5.4 | 6.5 | 2.8 | 3.4 | 4.0 |
| Night | 95 | 10 | 50 | BLACK_TOP | -20 | 1.40 | 1.70 | 1.95 | 5.0 | 6.1 | 7.0 | 3.1 | 3.8 | 4.4 |
| Night | 95 | 10 | 50 | BLACK_TOP | -15 | 1.50 | 1.75 | 2.05 | 5.4 | 6.3 | 7.4 | 3.4 | 3.9 | 4.6 |
| Night | 95 | 10 | 50 | BLACK_TOP | -10 | 1.60 | 1.85 | 2.15 | 5.8 | 6.7 | 7.7 | 3.6 | 4.1 | 4.8 |
| Night | 95 | 10 | 50 | BLACK_TOP | -5 | 1.70 | 2.00 | 2.30 | 6.1 | 7.2 | 8.3 | 3.8 | 4.5 | 5.2 |
| Night | 95 | 10 | 50 | BLACK_TOP | 0 | 1.80 | 2.10 | 2.40 | 6.5 | 7.6 | 8.6 | 4.0 | 4.7 | 5.4 |
| Night | 95 | 10 | 50 | BLACK_TOP | 5 | 1.35 | 1.60 | 1.90 | 4.9 | 5.8 | 6.8 | 3.0 | 3.6 | 4.3 |
| Night | 95 | 10 | 50 | BLACK_TOP | 10 | 1.00 | 1.25 | 1.50 | 3.6 | 4.5 | 5.4 | 2.2 | 2.8 | 3.4 |
| Night | 95 | 10 | 50 | BLACK_TOP | 15 | 0.75 | 0.95 | 1.20 | 2.7 | 3.4 | 4.3 | 1.7 | 2.1 | 2.7 |
| Night | 95 | 10 | 50 | BLACK_TOP | 20 | 0.60 | 0.80 | 1.00 | 2.2 | 2.9 | 3.6 | 1.3 | 1.8 | 2.2 |
| Night | 95 | 10 | 50 | BLACK_TOP | 30 | 0.45 | 0.55 | 0.75 | 1.6 | 2.0 | 2.7 | 1.0 | 1.2 | 1.7 |
| Night | 95 | 10 | 50 | BLACK_TOP | 40 | 0.35 | 0.45 | 0.55 | 1.3 | 1.6 | 2.0 | 0.8 | 1.0 | 1.2 |
| Night | 95 | 10 | 50 | BLACK_TOP | 50 | 0.25 | 0.35 | 0.45 | 0.9 | 1.3 | 1.6 | 0.6 | 0.8 | 1.0 |
| Night | 95 | 10 | 50 | DIRT_ROAD | -50 | 0.90 | 1.15 | 1.40 | 3.2 | 4.1 | 5.0 | 2.0 | 2.6 | 3.1 |
| Night | 95 | 10 | 50 | DIRT_ROAD | -40 | 1.05 | 1.25 | 1.55 | 3.8 | 4.5 | 5.6 | 2.4 | 2.8 | 3.5 |
| Night | 95 | 10 | 50 | DIRT_ROAD | -30 | 1.15 | 1.40 | 1.70 | 4.1 | 5.0 | 6.1 | 2.6 | 3.1 | 3.8 |
| Night | 95 | 10 | 50 | DIRT_ROAD | -20 | 1.35 | 1.60 | 1.85 | 4.9 | 5.8 | 6.7 | 3.0 | 3.6 | 4.1 |
| Night | 95 | 10 | 50 | DIRT_ROAD | -15 | 1.40 | 1.65 | 1.95 | 5.0 | 5.9 | 7.0 | 3.1 | 3.7 | 4.4 |
| Night | 95 | 10 | 50 | DIRT_ROAD | -10 | 1.50 | 1.75 | 2.05 | 5.4 | 6.3 | 7.4 | 3.4 | 3.9 | 4.6 |
| Night | 95 | 10 | 50 | DIRT_ROAD | -5 | 1.60 | 1.90 | 2.15 | 5.8 | 6.8 | 7.7 | 3.6 | 4.3 | 4.8 |
| Night | 95 | 10 | 50 | DIRT_ROAD | 0 | 1.75 | 2.00 | 2.30 | 6.3 | 7.2 | 8.3 | 3.9 | 4.5 | 5.2 |
| Night | 95 | 10 | 50 | DIRT_ROAD | 5 | 1.25 | 1.50 | 1.75 | 4.5 | 5.4 | 6.3 | 2.8 | 3.4 | 3.9 |
| Night | 95 | 10 | 50 | DIRT_ROAD | 10 | 0.90 | 1.15 | 1.40 | 3.2 | 4.1 | 5.0 | 2.0 | 2.6 | 3.1 |
| Night | 95 | 10 | 50 | DIRT_ROAD | 15 | 0.70 | 0.90 | 1.10 | 2.5 | 3.2 | 4.0 | 1.6 | 2.0 | 2.5 |
| Night | 95 | 10 | 50 | DIRT_ROAD | 20 | 0.55 | 0.75 | 0.90 | 2.0 | 2.7 | 3.2 | 1.2 | 1.7 | 2.0 |
| Night | 95 | 10 | 50 | DIRT_ROAD | 30 | 0.40 | 0.50 | 0.65 | 1.4 | 1.8 | 2.3 | 0.9 | 1.1 | 1.5 |
| Night | 95 | 10 | 50 | DIRT_ROAD | 40 | 0.30 | 0.40 | 0.50 | 1.1 | 1.4 | 1.8 | 0.7 | 0.9 | 1.1 |
| Night | 95 | 10 | 50 | DIRT_ROAD | 50 | 0.25 | 0.30 | 0.40 | 0.9 | 1.1 | 1.4 | 0.6 | 0.7 | 0.9 |
| Night | 95 | 10 | 50 | LOOSE_SAND | -50 | 0.55 | 0.70 | 0.85 | 2.0 | 2.5 | 3.1 | 1.2 | 1.6 | 1.9 |
| Night | 95 | 10 | 50 | LOOSE_SAND | -40 | 0.60 | 0.80 | 0.95 | 2.2 | 2.9 | 3.4 | 1.3 | 1.8 | 2.1 |
| Night | 95 | 10 | 50 | LOOSE_SAND | -30 | 0.75 | 0.90 | 1.10 | 2.7 | 3.2 | 4.0 | 1.7 | 2.0 | 2.5 |
| Night | 95 | 10 | 50 | LOOSE_SAND | -20 | 0.85 | 1.05 | 1.25 | 3.1 | 3.8 | 4.5 | 1.9 | 2.4 | 2.8 |
| Night | 95 | 10 | 50 | LOOSE_SAND | -15 | 0.95 | 1.15 | 1.35 | 3.4 | 4.1 | 4.9 | 2.1 | 2.6 | 3.0 |
| Night | 95 | 10 | 50 | LOOSE_SAND | -10 | 1.05 | 1.20 | 1.45 | 3.8 | 4.3 | 5.2 | 2.4 | 2.7 | 3.2 |
| Night | 95 | 10 | 50 | LOOSE_SAND | -5 | 1.15 | 1.30 | 1.55 | 4.1 | 4.7 | 5.6 | 2.6 | 2.9 | 3.5 |
| Night | 95 | 10 | 50 | LOOSE_SAND | 0 | 1.25 | 1.45 | 1.65 | 4.5 | 5.2 | 5.9 | 2.8 | 3.2 | 3.7 |
| Night | 95 | 10 | 50 | LOOSE_SAND | 5 | 0.80 | 0.95 | 1.15 | 2.9 | 3.4 | 4.1 | 1.8 | 2.1 | 2.6 |
| Night | 95 | 10 | 50 | LOOSE_SAND | 10 | 0.55 | 0.70 | 0.85 | 2.0 | 2.5 | 3.1 | 1.2 | 1.6 | 1.9 |
| Night | 95 | 10 | 50 | LOOSE_SAND | 15 | 0.40 | 0.50 | 0.65 | 1.4 | 1.8 | 2.3 | 0.9 | 1.1 | 1.5 |
| Night | 95 | 10 | 50 | LOOSE_SAND | 20 | 0.30 | 0.40 | 0.50 | 1.1 | 1.4 | 1.8 | 0.7 | 0.9 | 1.1 |
| Night | 95 | 10 | 50 | LOOSE_SAND | 30 | 0.20 | 0.25 | 0.35 | 0.7 | 0.9 | 1.3 | 0.4 | 0.6 | 0.8 |
| Night | 95 | 10 | 50 | LOOSE_SAND | 40 | 0.15 | 0.20 | 0.25 | 0.5 | 0.7 | 0.9 | 0.3 | 0.4 | 0.6 |
| Night | 95 | 10 | 50 | LOOSE_SAND | 50 | 0.10 | 0.15 | 0.20 | 0.4 | 0.5 | 0.7 | 0.2 | 0.3 | 0.4 |

Table F-31. Maximum Sustainable Speed, Night, 95% Humidity, 15°C (59°F)

| Cloud Cover | RH (%) | °C | °F | Terrain Type | Grade (%) | Max Sustainable Speed (meters/second) | | | Max Sustainable Speed (kilometers/hour) | | | Max Sustainable Speed (miles/hour) | | |
|-------------|--------|----|----|--------------|-----------|---------------------------------------|------|------|---|-----|------|------------------------------------|-----|------|
| | | | | | | Risk Level | | | Risk Level | | | Risk Level | | |
| | | | | | | Low | Mod | High | Low | Mod | High | Low | Mod | High |
| Night | 95 | 15 | 59 | BLACK_TOP | -50 | 0.90 | 1.15 | 1.30 | 3.2 | 4.1 | 4.7 | 2.0 | 2.6 | 2.9 |
| Night | 95 | 15 | 59 | BLACK_TOP | -40 | 1.00 | 1.25 | 1.45 | 3.6 | 4.5 | 5.2 | 2.2 | 2.8 | 3.2 |
| Night | 95 | 15 | 59 | BLACK_TOP | -30 | 1.15 | 1.40 | 1.60 | 4.1 | 5.0 | 5.8 | 2.6 | 3.1 | 3.6 |
| Night | 95 | 15 | 59 | BLACK_TOP | -20 | 1.30 | 1.55 | 1.75 | 4.7 | 5.6 | 6.3 | 2.9 | 3.5 | 3.9 |
| Night | 95 | 15 | 59 | BLACK_TOP | -15 | 1.40 | 1.65 | 1.85 | 5.0 | 5.9 | 6.7 | 3.1 | 3.7 | 4.1 |
| Night | 95 | 15 | 59 | BLACK_TOP | -10 | 1.50 | 1.75 | 1.95 | 5.4 | 6.3 | 7.0 | 3.4 | 3.9 | 4.4 |
| Night | 95 | 15 | 59 | BLACK_TOP | -5 | 1.60 | 1.85 | 2.05 | 5.8 | 6.7 | 7.4 | 3.6 | 4.1 | 4.6 |
| Night | 95 | 15 | 59 | BLACK_TOP | 0 | 1.70 | 2.00 | 2.20 | 6.1 | 7.2 | 7.9 | 3.8 | 4.5 | 4.9 |
| Night | 95 | 15 | 59 | BLACK_TOP | 5 | 1.25 | 1.50 | 1.65 | 4.5 | 5.4 | 5.9 | 2.8 | 3.4 | 3.7 |
| Night | 95 | 15 | 59 | BLACK_TOP | 10 | 0.90 | 1.15 | 1.30 | 3.2 | 4.1 | 4.7 | 2.0 | 2.6 | 2.9 |
| Night | 95 | 15 | 59 | BLACK_TOP | 15 | 0.70 | 0.90 | 1.05 | 2.5 | 3.2 | 3.8 | 1.6 | 2.0 | 2.4 |
| Night | 95 | 15 | 59 | BLACK_TOP | 20 | 0.55 | 0.70 | 0.85 | 2.0 | 2.5 | 3.1 | 1.2 | 1.6 | 1.9 |
| Night | 95 | 15 | 59 | BLACK_TOP | 30 | 0.40 | 0.50 | 0.60 | 1.4 | 1.8 | 2.2 | 0.9 | 1.1 | 1.3 |
| Night | 95 | 15 | 59 | BLACK_TOP | 40 | 0.30 | 0.40 | 0.45 | 1.1 | 1.4 | 1.6 | 0.7 | 0.9 | 1.0 |
| Night | 95 | 15 | 59 | BLACK_TOP | 50 | 0.25 | 0.30 | 0.40 | 0.9 | 1.1 | 1.4 | 0.6 | 0.7 | 0.9 |
| Night | 95 | 15 | 59 | DIRT_ROAD | -50 | 0.85 | 1.05 | 1.20 | 3.1 | 3.8 | 4.3 | 1.9 | 2.4 | 2.7 |
| Night | 95 | 15 | 59 | DIRT_ROAD | -40 | 0.95 | 1.15 | 1.35 | 3.4 | 4.1 | 4.9 | 2.1 | 2.6 | 3.0 |
| Night | 95 | 15 | 59 | DIRT_ROAD | -30 | 1.10 | 1.30 | 1.50 | 4.0 | 4.7 | 5.4 | 2.5 | 2.9 | 3.4 |
| Night | 95 | 15 | 59 | DIRT_ROAD | -20 | 1.25 | 1.50 | 1.65 | 4.5 | 5.4 | 5.9 | 2.8 | 3.4 | 3.7 |
| Night | 95 | 15 | 59 | DIRT_ROAD | -15 | 1.30 | 1.55 | 1.75 | 4.7 | 5.6 | 6.3 | 2.9 | 3.5 | 3.9 |
| Night | 95 | 15 | 59 | DIRT_ROAD | -10 | 1.40 | 1.65 | 1.85 | 5.0 | 5.9 | 6.7 | 3.1 | 3.7 | 4.1 |
| Night | 95 | 15 | 59 | DIRT_ROAD | -5 | 1.50 | 1.75 | 1.95 | 5.4 | 6.3 | 7.0 | 3.4 | 3.9 | 4.4 |
| Night | 95 | 15 | 59 | DIRT_ROAD | 0 | 1.65 | 1.90 | 2.10 | 5.9 | 6.8 | 7.6 | 3.7 | 4.3 | 4.7 |
| Night | 95 | 15 | 59 | DIRT_ROAD | 5 | 1.15 | 1.40 | 1.55 | 4.1 | 5.0 | 5.6 | 2.6 | 3.1 | 3.5 |
| Night | 95 | 15 | 59 | DIRT_ROAD | 10 | 0.85 | 1.05 | 1.20 | 3.1 | 3.8 | 4.3 | 1.9 | 2.4 | 2.7 |
| Night | 95 | 15 | 59 | DIRT_ROAD | 15 | 0.65 | 0.80 | 0.95 | 2.3 | 2.9 | 3.4 | 1.5 | 1.8 | 2.1 |
| Night | 95 | 15 | 59 | DIRT_ROAD | 20 | 0.50 | 0.65 | 0.80 | 1.8 | 2.3 | 2.9 | 1.1 | 1.5 | 1.8 |
| Night | 95 | 15 | 59 | DIRT_ROAD | 30 | 0.35 | 0.45 | 0.55 | 1.3 | 1.6 | 2.0 | 0.8 | 1.0 | 1.2 |
| Night | 95 | 15 | 59 | DIRT_ROAD | 40 | 0.25 | 0.35 | 0.45 | 0.9 | 1.3 | 1.6 | 0.6 | 0.8 | 1.0 |
| Night | 95 | 15 | 59 | DIRT_ROAD | 50 | 0.20 | 0.30 | 0.35 | 0.7 | 1.1 | 1.3 | 0.4 | 0.7 | 0.8 |
| Night | 95 | 15 | 59 | LOOSE_SAND | -50 | 0.50 | 0.60 | 0.75 | 1.8 | 2.2 | 2.7 | 1.1 | 1.3 | 1.7 |
| Night | 95 | 15 | 59 | LOOSE_SAND | -40 | 0.55 | 0.70 | 0.85 | 2.0 | 2.5 | 3.1 | 1.2 | 1.6 | 1.9 |
| Night | 95 | 15 | 59 | LOOSE_SAND | -30 | 0.65 | 0.85 | 0.95 | 2.3 | 3.1 | 3.4 | 1.5 | 1.9 | 2.1 |
| Night | 95 | 15 | 59 | LOOSE_SAND | -20 | 0.80 | 0.95 | 1.10 | 2.9 | 3.4 | 4.0 | 1.8 | 2.1 | 2.5 |
| Night | 95 | 15 | 59 | LOOSE_SAND | -15 | 0.90 | 1.05 | 1.20 | 3.2 | 3.8 | 4.3 | 2.0 | 2.4 | 2.7 |
| Night | 95 | 15 | 59 | LOOSE_SAND | -10 | 0.95 | 1.15 | 1.30 | 3.4 | 4.1 | 4.7 | 2.1 | 2.6 | 2.9 |
| Night | 95 | 15 | 59 | LOOSE_SAND | -5 | 1.05 | 1.25 | 1.40 | 3.8 | 4.5 | 5.0 | 2.4 | 2.8 | 3.1 |
| Night | 95 | 15 | 59 | LOOSE_SAND | 0 | 1.20 | 1.35 | 1.50 | 4.3 | 4.9 | 5.4 | 2.7 | 3.0 | 3.4 |
| Night | 95 | 15 | 59 | LOOSE_SAND | 5 | 0.75 | 0.90 | 1.00 | 2.7 | 3.2 | 3.6 | 1.7 | 2.0 | 2.2 |
| Night | 95 | 15 | 59 | LOOSE_SAND | 10 | 0.50 | 0.60 | 0.75 | 1.8 | 2.2 | 2.7 | 1.1 | 1.3 | 1.7 |
| Night | 95 | 15 | 59 | LOOSE_SAND | 15 | 0.35 | 0.45 | 0.55 | 1.3 | 1.6 | 2.0 | 0.8 | 1.0 | 1.2 |
| Night | 95 | 15 | 59 | LOOSE_SAND | 20 | 0.25 | 0.35 | 0.45 | 0.9 | 1.3 | 1.6 | 0.6 | 0.8 | 1.0 |
| Night | 95 | 15 | 59 | LOOSE_SAND | 30 | 0.20 | 0.25 | 0.30 | 0.7 | 0.9 | 1.1 | 0.4 | 0.6 | 0.7 |
| Night | 95 | 15 | 59 | LOOSE_SAND | 40 | 0.15 | 0.20 | 0.20 | 0.5 | 0.7 | 0.7 | 0.3 | 0.4 | 0.4 |
| Night | 95 | 15 | 59 | LOOSE_SAND | 50 | 0.10 | 0.15 | 0.15 | 0.4 | 0.5 | 0.5 | 0.2 | 0.3 | 0.3 |

Table F-32. Maximum Sustainable Speed, Night, 95% Humidity, 20°C (68°F)

| Cloud Cover | RH (%) | °C | °F | Terrain Type | Grade (%) | Max Sustainable Speed (meters/second) | | | Max Sustainable Speed (kilometers/hour) | | | Max Sustainable Speed (miles/hour) | | |
|-------------|--------|----|----|--------------|-----------|---------------------------------------|------|------|---|-----|------|------------------------------------|-----|------|
| | | | | | | Risk Level | | | Risk Level | | | Risk Level | | |
| | | | | | | Low | Mod | High | Low | Mod | High | Low | Mod | High |
| Night | 95 | 20 | 68 | BLACK_TOP | -50 | 0.80 | 0.95 | 1.10 | 2.9 | 3.4 | 4.0 | 1.8 | 2.1 | 2.5 |
| Night | 95 | 20 | 68 | BLACK_TOP | -40 | 0.90 | 1.05 | 1.20 | 3.2 | 3.8 | 4.3 | 2.0 | 2.4 | 2.7 |
| Night | 95 | 20 | 68 | BLACK_TOP | -30 | 1.05 | 1.20 | 1.35 | 3.8 | 4.3 | 4.9 | 2.4 | 2.7 | 3.0 |
| Night | 95 | 20 | 68 | BLACK_TOP | -20 | 1.20 | 1.35 | 1.50 | 4.3 | 4.9 | 5.4 | 2.7 | 3.0 | 3.4 |
| Night | 95 | 20 | 68 | BLACK_TOP | -15 | 1.30 | 1.45 | 1.60 | 4.7 | 5.2 | 5.8 | 2.9 | 3.2 | 3.6 |
| Night | 95 | 20 | 68 | BLACK_TOP | -10 | 1.40 | 1.55 | 1.70 | 5.0 | 5.6 | 6.1 | 3.1 | 3.5 | 3.8 |
| Night | 95 | 20 | 68 | BLACK_TOP | -5 | 1.50 | 1.65 | 1.80 | 5.4 | 5.9 | 6.5 | 3.4 | 3.7 | 4.0 |
| Night | 95 | 20 | 68 | BLACK_TOP | 0 | 1.60 | 1.80 | 1.95 | 5.8 | 6.5 | 7.0 | 3.6 | 4.0 | 4.4 |
| Night | 95 | 20 | 68 | BLACK_TOP | 5 | 1.10 | 1.30 | 1.45 | 4.0 | 4.7 | 5.2 | 2.5 | 2.9 | 3.2 |
| Night | 95 | 20 | 68 | BLACK_TOP | 10 | 0.80 | 0.95 | 1.10 | 2.9 | 3.4 | 4.0 | 1.8 | 2.1 | 2.5 |
| Night | 95 | 20 | 68 | BLACK_TOP | 15 | 0.60 | 0.75 | 0.85 | 2.2 | 2.7 | 3.1 | 1.3 | 1.7 | 1.9 |
| Night | 95 | 20 | 68 | BLACK_TOP | 20 | 0.50 | 0.60 | 0.70 | 1.8 | 2.2 | 2.5 | 1.1 | 1.3 | 1.6 |
| Night | 95 | 20 | 68 | BLACK_TOP | 30 | 0.35 | 0.40 | 0.50 | 1.3 | 1.4 | 1.8 | 0.8 | 0.9 | 1.1 |
| Night | 95 | 20 | 68 | BLACK_TOP | 40 | 0.25 | 0.30 | 0.35 | 0.9 | 1.1 | 1.3 | 0.6 | 0.7 | 0.8 |
| Night | 95 | 20 | 68 | BLACK_TOP | 50 | 0.20 | 0.25 | 0.30 | 0.7 | 0.9 | 1.1 | 0.4 | 0.6 | 0.7 |
| Night | 95 | 20 | 68 | DIRT_ROAD | -50 | 0.75 | 0.90 | 1.00 | 2.7 | 3.2 | 3.6 | 1.7 | 2.0 | 2.2 |
| Night | 95 | 20 | 68 | DIRT_ROAD | -40 | 0.85 | 1.00 | 1.15 | 3.1 | 3.6 | 4.1 | 1.9 | 2.2 | 2.6 |
| Night | 95 | 20 | 68 | DIRT_ROAD | -30 | 1.00 | 1.15 | 1.25 | 3.6 | 4.1 | 4.5 | 2.2 | 2.6 | 2.8 |
| Night | 95 | 20 | 68 | DIRT_ROAD | -20 | 1.15 | 1.30 | 1.45 | 4.1 | 4.7 | 5.2 | 2.6 | 2.9 | 3.2 |
| Night | 95 | 20 | 68 | DIRT_ROAD | -15 | 1.20 | 1.40 | 1.50 | 4.3 | 5.0 | 5.4 | 2.7 | 3.1 | 3.4 |
| Night | 95 | 20 | 68 | DIRT_ROAD | -10 | 1.30 | 1.50 | 1.60 | 4.7 | 5.4 | 5.8 | 2.9 | 3.4 | 3.6 |
| Night | 95 | 20 | 68 | DIRT_ROAD | -5 | 1.40 | 1.60 | 1.70 | 5.0 | 5.8 | 6.1 | 3.1 | 3.6 | 3.8 |
| Night | 95 | 20 | 68 | DIRT_ROAD | 0 | 1.55 | 1.70 | 1.85 | 5.6 | 6.1 | 6.7 | 3.5 | 3.8 | 4.1 |
| Night | 95 | 20 | 68 | DIRT_ROAD | 5 | 1.05 | 1.20 | 1.35 | 3.8 | 4.3 | 4.9 | 2.4 | 2.7 | 3.0 |
| Night | 95 | 20 | 68 | DIRT_ROAD | 10 | 0.75 | 0.90 | 1.00 | 2.7 | 3.2 | 3.6 | 1.7 | 2.0 | 2.2 |
| Night | 95 | 20 | 68 | DIRT_ROAD | 15 | 0.55 | 0.70 | 0.80 | 2.0 | 2.5 | 2.9 | 1.2 | 1.6 | 1.8 |
| Night | 95 | 20 | 68 | DIRT_ROAD | 20 | 0.45 | 0.55 | 0.65 | 1.6 | 2.0 | 2.3 | 1.0 | 1.2 | 1.5 |
| Night | 95 | 20 | 68 | DIRT_ROAD | 30 | 0.30 | 0.35 | 0.45 | 1.1 | 1.3 | 1.6 | 0.7 | 0.8 | 1.0 |
| Night | 95 | 20 | 68 | DIRT_ROAD | 40 | 0.25 | 0.30 | 0.35 | 0.9 | 1.1 | 1.3 | 0.6 | 0.7 | 0.8 |
| Night | 95 | 20 | 68 | DIRT_ROAD | 50 | 0.20 | 0.20 | 0.25 | 0.7 | 0.7 | 0.9 | 0.4 | 0.4 | 0.6 |
| Night | 95 | 20 | 68 | LOOSE_SAND | -50 | 0.45 | 0.50 | 0.60 | 1.6 | 1.8 | 2.2 | 1.0 | 1.1 | 1.3 |
| Night | 95 | 20 | 68 | LOOSE_SAND | -40 | 0.50 | 0.60 | 0.70 | 1.8 | 2.2 | 2.5 | 1.1 | 1.3 | 1.6 |
| Night | 95 | 20 | 68 | LOOSE_SAND | -30 | 0.60 | 0.70 | 0.80 | 2.2 | 2.5 | 2.9 | 1.3 | 1.6 | 1.8 |
| Night | 95 | 20 | 68 | LOOSE_SAND | -20 | 0.75 | 0.85 | 0.95 | 2.7 | 3.1 | 3.4 | 1.7 | 1.9 | 2.1 |
| Night | 95 | 20 | 68 | LOOSE_SAND | -15 | 0.80 | 0.90 | 1.00 | 2.9 | 3.2 | 3.6 | 1.8 | 2.0 | 2.2 |
| Night | 95 | 20 | 68 | LOOSE_SAND | -10 | 0.90 | 1.00 | 1.10 | 3.2 | 3.6 | 4.0 | 2.0 | 2.2 | 2.5 |
| Night | 95 | 20 | 68 | LOOSE_SAND | -5 | 1.00 | 1.10 | 1.20 | 3.6 | 4.0 | 4.3 | 2.2 | 2.5 | 2.7 |
| Night | 95 | 20 | 68 | LOOSE_SAND | 0 | 1.10 | 1.20 | 1.30 | 4.0 | 4.3 | 4.7 | 2.5 | 2.7 | 2.9 |
| Night | 95 | 20 | 68 | LOOSE_SAND | 5 | 0.65 | 0.75 | 0.85 | 2.3 | 2.7 | 3.1 | 1.5 | 1.7 | 1.9 |
| Night | 95 | 20 | 68 | LOOSE_SAND | 10 | 0.45 | 0.50 | 0.60 | 1.6 | 1.8 | 2.2 | 1.0 | 1.1 | 1.3 |
| Night | 95 | 20 | 68 | LOOSE_SAND | 15 | 0.30 | 0.35 | 0.45 | 1.1 | 1.3 | 1.6 | 0.7 | 0.8 | 1.0 |
| Night | 95 | 20 | 68 | LOOSE_SAND | 20 | 0.25 | 0.30 | 0.35 | 0.9 | 1.1 | 1.3 | 0.6 | 0.7 | 0.8 |
| Night | 95 | 20 | 68 | LOOSE_SAND | 30 | 0.15 | 0.20 | 0.25 | 0.5 | 0.7 | 0.9 | 0.3 | 0.4 | 0.6 |
| Night | 95 | 20 | 68 | LOOSE_SAND | 40 | 0.10 | 0.15 | 0.15 | 0.4 | 0.5 | 0.5 | 0.2 | 0.3 | 0.3 |
| Night | 95 | 20 | 68 | LOOSE_SAND | 50 | 0.10 | 0.10 | 0.15 | 0.4 | 0.4 | 0.5 | 0.2 | 0.2 | 0.3 |

Table F-33. Maximum Sustainable Speed, Night, 95% Humidity, 25°C (77°F)

| Cloud Cover | RH (%) | °C | °F | Terrain Type | Grade (%) | Max Sustainable Speed (meters/second) | | | Max Sustainable Speed (kilometers/hour) | | | Max Sustainable Speed (miles/hour) | | |
|-------------|--------|----|----|--------------|-----------|---------------------------------------|------|------|---|-----|------|------------------------------------|-----|------|
| | | | | | | Risk Level | | | Risk Level | | | Risk Level | | |
| | | | | | | Low | Mod | High | Low | Mod | High | Low | Mod | High |
| Night | 95 | 25 | 77 | BLACK_TOP | -50 | 0.65 | 0.70 | 0.80 | 2.3 | 2.5 | 2.9 | 1.5 | 1.6 | 1.8 |
| Night | 95 | 25 | 77 | BLACK_TOP | -40 | 0.75 | 0.80 | 0.95 | 2.7 | 2.9 | 3.4 | 1.7 | 1.8 | 2.1 |
| Night | 95 | 25 | 77 | BLACK_TOP | -30 | 0.85 | 0.90 | 1.05 | 3.1 | 3.2 | 3.8 | 1.9 | 2.0 | 2.4 |
| Night | 95 | 25 | 77 | BLACK_TOP | -20 | 1.00 | 1.05 | 1.20 | 3.6 | 3.8 | 4.3 | 2.2 | 2.4 | 2.7 |
| Night | 95 | 25 | 77 | BLACK_TOP | -15 | 1.05 | 1.15 | 1.30 | 3.8 | 4.1 | 4.7 | 2.4 | 2.6 | 2.9 |
| Night | 95 | 25 | 77 | BLACK_TOP | -10 | 1.15 | 1.25 | 1.40 | 4.1 | 4.5 | 5.0 | 2.6 | 2.8 | 3.1 |
| Night | 95 | 25 | 77 | BLACK_TOP | -5 | 1.25 | 1.35 | 1.50 | 4.5 | 4.9 | 5.4 | 2.8 | 3.0 | 3.4 |
| Night | 95 | 25 | 77 | BLACK_TOP | 0 | 1.40 | 1.45 | 1.60 | 5.0 | 5.2 | 5.8 | 3.1 | 3.2 | 3.6 |
| Night | 95 | 25 | 77 | BLACK_TOP | 5 | 0.90 | 1.00 | 1.15 | 3.2 | 3.6 | 4.1 | 2.0 | 2.2 | 2.6 |
| Night | 95 | 25 | 77 | BLACK_TOP | 10 | 0.65 | 0.70 | 0.80 | 2.3 | 2.5 | 2.9 | 1.5 | 1.6 | 1.8 |
| Night | 95 | 25 | 77 | BLACK_TOP | 15 | 0.45 | 0.50 | 0.65 | 1.6 | 1.8 | 2.3 | 1.0 | 1.1 | 1.5 |
| Night | 95 | 25 | 77 | BLACK_TOP | 20 | 0.35 | 0.40 | 0.50 | 1.3 | 1.4 | 1.8 | 0.8 | 0.9 | 1.1 |
| Night | 95 | 25 | 77 | BLACK_TOP | 30 | 0.25 | 0.30 | 0.35 | 0.9 | 1.1 | 1.3 | 0.6 | 0.7 | 0.8 |
| Night | 95 | 25 | 77 | BLACK_TOP | 40 | 0.20 | 0.20 | 0.25 | 0.7 | 0.7 | 0.9 | 0.4 | 0.4 | 0.6 |
| Night | 95 | 25 | 77 | BLACK_TOP | 50 | 0.15 | 0.15 | 0.20 | 0.5 | 0.5 | 0.7 | 0.3 | 0.3 | 0.4 |
| Night | 95 | 25 | 77 | DIRT_ROAD | -50 | 0.60 | 0.65 | 0.75 | 2.2 | 2.3 | 2.7 | 1.3 | 1.5 | 1.7 |
| Night | 95 | 25 | 77 | DIRT_ROAD | -40 | 0.65 | 0.75 | 0.85 | 2.3 | 2.7 | 3.1 | 1.5 | 1.7 | 1.9 |
| Night | 95 | 25 | 77 | DIRT_ROAD | -30 | 0.80 | 0.85 | 1.00 | 2.9 | 3.1 | 3.6 | 1.8 | 1.9 | 2.2 |
| Night | 95 | 25 | 77 | DIRT_ROAD | -20 | 0.90 | 1.00 | 1.15 | 3.2 | 3.6 | 4.1 | 2.0 | 2.2 | 2.6 |
| Night | 95 | 25 | 77 | DIRT_ROAD | -15 | 1.00 | 1.10 | 1.25 | 3.6 | 4.0 | 4.5 | 2.2 | 2.5 | 2.8 |
| Night | 95 | 25 | 77 | DIRT_ROAD | -10 | 1.10 | 1.20 | 1.35 | 4.0 | 4.3 | 4.9 | 2.5 | 2.7 | 3.0 |
| Night | 95 | 25 | 77 | DIRT_ROAD | -5 | 1.20 | 1.30 | 1.45 | 4.3 | 4.7 | 5.2 | 2.7 | 2.9 | 3.2 |
| Night | 95 | 25 | 77 | DIRT_ROAD | 0 | 1.30 | 1.40 | 1.55 | 4.7 | 5.0 | 5.6 | 2.9 | 3.1 | 3.5 |
| Night | 95 | 25 | 77 | DIRT_ROAD | 5 | 0.85 | 0.95 | 1.05 | 3.1 | 3.4 | 3.8 | 1.9 | 2.1 | 2.4 |
| Night | 95 | 25 | 77 | DIRT_ROAD | 10 | 0.60 | 0.65 | 0.75 | 2.2 | 2.3 | 2.7 | 1.3 | 1.5 | 1.7 |
| Night | 95 | 25 | 77 | DIRT_ROAD | 15 | 0.45 | 0.50 | 0.55 | 1.6 | 1.8 | 2.0 | 1.0 | 1.1 | 1.2 |
| Night | 95 | 25 | 77 | DIRT_ROAD | 20 | 0.35 | 0.35 | 0.45 | 1.3 | 1.3 | 1.6 | 0.8 | 0.8 | 1.0 |
| Night | 95 | 25 | 77 | DIRT_ROAD | 30 | 0.20 | 0.25 | 0.30 | 0.7 | 0.9 | 1.1 | 0.4 | 0.6 | 0.7 |
| Night | 95 | 25 | 77 | DIRT_ROAD | 40 | 0.15 | 0.20 | 0.25 | 0.5 | 0.7 | 0.9 | 0.3 | 0.4 | 0.6 |
| Night | 95 | 25 | 77 | DIRT_ROAD | 50 | 0.15 | 0.15 | 0.20 | 0.5 | 0.5 | 0.7 | 0.3 | 0.3 | 0.4 |
| Night | 95 | 25 | 77 | LOOSE_SAND | -50 | 0.30 | 0.35 | 0.45 | 1.1 | 1.3 | 1.6 | 0.7 | 0.8 | 1.0 |
| Night | 95 | 25 | 77 | LOOSE_SAND | -40 | 0.40 | 0.45 | 0.50 | 1.4 | 1.6 | 1.8 | 0.9 | 1.0 | 1.1 |
| Night | 95 | 25 | 77 | LOOSE_SAND | -30 | 0.45 | 0.50 | 0.60 | 1.6 | 1.8 | 2.2 | 1.0 | 1.1 | 1.3 |
| Night | 95 | 25 | 77 | LOOSE_SAND | -20 | 0.60 | 0.65 | 0.75 | 2.2 | 2.3 | 2.7 | 1.3 | 1.5 | 1.7 |
| Night | 95 | 25 | 77 | LOOSE_SAND | -15 | 0.65 | 0.70 | 0.80 | 2.3 | 2.5 | 2.9 | 1.5 | 1.6 | 1.8 |
| Night | 95 | 25 | 77 | LOOSE_SAND | -10 | 0.75 | 0.80 | 0.90 | 2.7 | 2.9 | 3.2 | 1.7 | 1.8 | 2.0 |
| Night | 95 | 25 | 77 | LOOSE_SAND | -5 | 0.85 | 0.90 | 1.00 | 3.1 | 3.2 | 3.6 | 1.9 | 2.0 | 2.2 |
| Night | 95 | 25 | 77 | LOOSE_SAND | 0 | 0.95 | 1.00 | 1.10 | 3.4 | 3.6 | 4.0 | 2.1 | 2.2 | 2.5 |
| Night | 95 | 25 | 77 | LOOSE_SAND | 5 | 0.50 | 0.55 | 0.65 | 1.8 | 2.0 | 2.3 | 1.1 | 1.2 | 1.5 |
| Night | 95 | 25 | 77 | LOOSE_SAND | 10 | 0.30 | 0.35 | 0.45 | 1.1 | 1.3 | 1.6 | 0.7 | 0.8 | 1.0 |
| Night | 95 | 25 | 77 | LOOSE_SAND | 15 | 0.20 | 0.25 | 0.30 | 0.7 | 0.9 | 1.1 | 0.4 | 0.6 | 0.7 |
| Night | 95 | 25 | 77 | LOOSE_SAND | 20 | 0.15 | 0.20 | 0.25 | 0.5 | 0.7 | 0.9 | 0.3 | 0.4 | 0.6 |
| Night | 95 | 25 | 77 | LOOSE_SAND | 30 | 0.10 | 0.10 | 0.15 | 0.4 | 0.4 | 0.5 | 0.2 | 0.2 | 0.3 |
| Night | 95 | 25 | 77 | LOOSE_SAND | 40 | 0.05 | 0.10 | 0.10 | 0.2 | 0.4 | 0.4 | 0.1 | 0.2 | 0.2 |
| Night | 95 | 25 | 77 | LOOSE_SAND | 50 | 0.05 | 0.05 | 0.10 | 0.2 | 0.2 | 0.4 | 0.1 | 0.1 | 0.2 |

Table F-34. Maximum Sustainable Speed, Night, 95% Humidity, 30°C (86°F)

| Cloud Cover | RH (%) | °C | °F | Terrain Type | Grade (%) | Max Sustainable Speed (meters/second) | | | Max Sustainable Speed (kilometers/hour) | | | Max Sustainable Speed (miles/hour) | | |
|-------------|--------|----|----|--------------|-----------|---------------------------------------|------|------|---|-----|------|------------------------------------|-----|------|
| | | | | | | Risk Level | | | Risk Level | | | Risk Level | | |
| | | | | | | Low | Mod | High | Low | Mod | High | Low | Mod | High |
| Night | 95 | 30 | 86 | BLACK_TOP | -50 | 0.35 | 0.40 | 0.50 | 1.3 | 1.4 | 1.8 | 0.8 | 0.9 | 1.1 |
| Night | 95 | 30 | 86 | BLACK_TOP | -40 | 0.40 | 0.45 | 0.60 | 1.4 | 1.6 | 2.2 | 0.9 | 1.0 | 1.3 |
| Night | 95 | 30 | 86 | BLACK_TOP | -30 | 0.50 | 0.55 | 0.70 | 1.8 | 2.0 | 2.5 | 1.1 | 1.2 | 1.6 |
| Night | 95 | 30 | 86 | BLACK_TOP | -20 | 0.60 | 0.65 | 0.80 | 2.2 | 2.3 | 2.9 | 1.3 | 1.5 | 1.8 |
| Night | 95 | 30 | 86 | BLACK_TOP | -15 | 0.65 | 0.75 | 0.90 | 2.3 | 2.7 | 3.2 | 1.5 | 1.7 | 2.0 |
| Night | 95 | 30 | 86 | BLACK_TOP | -10 | 0.75 | 0.80 | 1.00 | 2.7 | 2.9 | 3.6 | 1.7 | 1.8 | 2.2 |
| Night | 95 | 30 | 86 | BLACK_TOP | -5 | 0.85 | 0.90 | 1.10 | 3.1 | 3.2 | 4.0 | 1.9 | 2.0 | 2.5 |
| Night | 95 | 30 | 86 | BLACK_TOP | 0 | 0.95 | 1.05 | 1.20 | 3.4 | 3.8 | 4.3 | 2.1 | 2.4 | 2.7 |
| Night | 95 | 30 | 86 | BLACK_TOP | 5 | 0.55 | 0.60 | 0.75 | 2.0 | 2.2 | 2.7 | 1.2 | 1.3 | 1.7 |
| Night | 95 | 30 | 86 | BLACK_TOP | 10 | 0.35 | 0.40 | 0.50 | 1.3 | 1.4 | 1.8 | 0.8 | 0.9 | 1.1 |
| Night | 95 | 30 | 86 | BLACK_TOP | 15 | 0.25 | 0.25 | 0.35 | 0.9 | 0.9 | 1.3 | 0.6 | 0.6 | 0.8 |
| Night | 95 | 30 | 86 | BLACK_TOP | 20 | 0.15 | 0.20 | 0.30 | 0.5 | 0.7 | 1.1 | 0.3 | 0.4 | 0.7 |
| Night | 95 | 30 | 86 | BLACK_TOP | 30 | 0.10 | 0.15 | 0.20 | 0.4 | 0.5 | 0.7 | 0.2 | 0.3 | 0.4 |
| Night | 95 | 30 | 86 | BLACK_TOP | 40 | 0.10 | 0.10 | 0.15 | 0.4 | 0.4 | 0.5 | 0.2 | 0.2 | 0.3 |
| Night | 95 | 30 | 86 | BLACK_TOP | 50 | 0.05 | 0.05 | 0.10 | 0.2 | 0.2 | 0.4 | 0.1 | 0.1 | 0.2 |
| Night | 95 | 30 | 86 | DIRT_ROAD | -50 | 0.30 | 0.35 | 0.45 | 1.1 | 1.3 | 1.6 | 0.7 | 0.8 | 1.0 |
| Night | 95 | 30 | 86 | DIRT_ROAD | -40 | 0.35 | 0.40 | 0.55 | 1.3 | 1.4 | 2.0 | 0.8 | 0.9 | 1.2 |
| Night | 95 | 30 | 86 | DIRT_ROAD | -30 | 0.45 | 0.50 | 0.65 | 1.6 | 1.8 | 2.3 | 1.0 | 1.1 | 1.5 |
| Night | 95 | 30 | 86 | DIRT_ROAD | -20 | 0.55 | 0.60 | 0.75 | 2.0 | 2.2 | 2.7 | 1.2 | 1.3 | 1.7 |
| Night | 95 | 30 | 86 | DIRT_ROAD | -15 | 0.65 | 0.70 | 0.85 | 2.3 | 2.5 | 3.1 | 1.5 | 1.6 | 1.9 |
| Night | 95 | 30 | 86 | DIRT_ROAD | -10 | 0.70 | 0.80 | 0.95 | 2.5 | 2.9 | 3.4 | 1.6 | 1.8 | 2.1 |
| Night | 95 | 30 | 86 | DIRT_ROAD | -5 | 0.80 | 0.85 | 1.05 | 2.9 | 3.1 | 3.8 | 1.8 | 1.9 | 2.4 |
| Night | 95 | 30 | 86 | DIRT_ROAD | 0 | 0.90 | 1.00 | 1.15 | 3.2 | 3.6 | 4.1 | 2.0 | 2.2 | 2.6 |
| Night | 95 | 30 | 86 | DIRT_ROAD | 5 | 0.50 | 0.55 | 0.70 | 1.8 | 2.0 | 2.5 | 1.1 | 1.2 | 1.6 |
| Night | 95 | 30 | 86 | DIRT_ROAD | 10 | 0.30 | 0.35 | 0.45 | 1.1 | 1.3 | 1.6 | 0.7 | 0.8 | 1.0 |
| Night | 95 | 30 | 86 | DIRT_ROAD | 15 | 0.20 | 0.25 | 0.35 | 0.7 | 0.9 | 1.3 | 0.4 | 0.6 | 0.8 |
| Night | 95 | 30 | 86 | DIRT_ROAD | 20 | 0.15 | 0.20 | 0.25 | 0.5 | 0.7 | 0.9 | 0.3 | 0.4 | 0.6 |
| Night | 95 | 30 | 86 | DIRT_ROAD | 30 | 0.10 | 0.10 | 0.15 | 0.4 | 0.4 | 0.5 | 0.2 | 0.2 | 0.3 |
| Night | 95 | 30 | 86 | DIRT_ROAD | 40 | 0.05 | 0.10 | 0.10 | 0.2 | 0.4 | 0.4 | 0.1 | 0.2 | 0.2 |
| Night | 95 | 30 | 86 | DIRT_ROAD | 50 | 0.05 | 0.05 | 0.10 | 0.2 | 0.2 | 0.4 | 0.1 | 0.1 | 0.2 |
| Night | 95 | 30 | 86 | LOOSE_SAND | -50 | 0.15 | 0.20 | 0.25 | 0.5 | 0.7 | 0.9 | 0.3 | 0.4 | 0.6 |
| Night | 95 | 30 | 86 | LOOSE_SAND | -40 | 0.20 | 0.25 | 0.30 | 0.7 | 0.9 | 1.1 | 0.4 | 0.6 | 0.7 |
| Night | 95 | 30 | 86 | LOOSE_SAND | -30 | 0.25 | 0.30 | 0.35 | 0.9 | 1.1 | 1.3 | 0.6 | 0.7 | 0.8 |
| Night | 95 | 30 | 86 | LOOSE_SAND | -20 | 0.35 | 0.35 | 0.45 | 1.3 | 1.3 | 1.6 | 0.8 | 0.8 | 1.0 |
| Night | 95 | 30 | 86 | LOOSE_SAND | -15 | 0.40 | 0.45 | 0.55 | 1.4 | 1.6 | 2.0 | 0.9 | 1.0 | 1.2 |
| Night | 95 | 30 | 86 | LOOSE_SAND | -10 | 0.45 | 0.50 | 0.60 | 1.6 | 1.8 | 2.2 | 1.0 | 1.1 | 1.3 |
| Night | 95 | 30 | 86 | LOOSE_SAND | -5 | 0.55 | 0.60 | 0.70 | 2.0 | 2.2 | 2.5 | 1.2 | 1.3 | 1.6 |
| Night | 95 | 30 | 86 | LOOSE_SAND | 0 | 0.65 | 0.70 | 0.80 | 2.3 | 2.5 | 2.9 | 1.5 | 1.6 | 1.8 |
| Night | 95 | 30 | 86 | LOOSE_SAND | 5 | 0.30 | 0.35 | 0.40 | 1.1 | 1.3 | 1.4 | 0.7 | 0.8 | 0.9 |
| Night | 95 | 30 | 86 | LOOSE_SAND | 10 | 0.15 | 0.20 | 0.25 | 0.5 | 0.7 | 0.9 | 0.3 | 0.4 | 0.6 |
| Night | 95 | 30 | 86 | LOOSE_SAND | 15 | 0.10 | 0.10 | 0.15 | 0.4 | 0.4 | 0.5 | 0.2 | 0.2 | 0.3 |
| Night | 95 | 30 | 86 | LOOSE_SAND | 20 | 0.05 | 0.10 | 0.10 | 0.2 | 0.4 | 0.4 | 0.1 | 0.2 | 0.2 |
| Night | 95 | 30 | 86 | LOOSE_SAND | 30 | 0.05 | 0.05 | 0.10 | 0.2 | 0.2 | 0.4 | 0.1 | 0.1 | 0.2 |
| Night | 95 | 30 | 86 | LOOSE_SAND | 40 | 0.00 | 0.05 | 0.05 | 0.0 | 0.2 | 0.2 | 0.0 | 0.1 | 0.1 |
| Night | 95 | 30 | 86 | LOOSE_SAND | 50 | 0.00 | 0.00 | 0.05 | 0.0 | 0.0 | 0.2 | 0.0 | 0.0 | 0.1 |

Table F-35. Maximum Sustainable Speed, Night, 95% Humidity, 35°C (95°F)

| Cloud Cover | RH (%) | °C | °F | Terrain Type | Grade (%) | Max Sustainable Speed (meters/second) | | | Max Sustainable Speed (kilometers/hour) | | | Max Sustainable Speed (miles/hour) | | |
|-------------|--------|----|----|--------------|-----------|---------------------------------------|------|------|---|-----|------|------------------------------------|-----|------|
| | | | | | | Risk Level | | | Risk Level | | | Risk Level | | |
| | | | | | | Low | Mod | High | Low | Mod | High | Low | Mod | High |
| Night | 95 | 35 | 95 | BLACK_TOP | -50 | 0.00 | 0.00 | 0.05 | 0.0 | 0.0 | 0.2 | 0.0 | 0.0 | 0.1 |
| Night | 95 | 35 | 95 | BLACK_TOP | -40 | 0.00 | 0.00 | 0.10 | 0.0 | 0.0 | 0.4 | 0.0 | 0.0 | 0.2 |
| Night | 95 | 35 | 95 | BLACK_TOP | -30 | 0.00 | 0.00 | 0.15 | 0.0 | 0.0 | 0.5 | 0.0 | 0.0 | 0.3 |
| Night | 95 | 35 | 95 | BLACK_TOP | -20 | 0.00 | 0.00 | 0.20 | 0.0 | 0.0 | 0.7 | 0.0 | 0.0 | 0.4 |
| Night | 95 | 35 | 95 | BLACK_TOP | -15 | 0.00 | 0.00 | 0.20 | 0.0 | 0.0 | 0.7 | 0.0 | 0.0 | 0.4 |
| Night | 95 | 35 | 95 | BLACK_TOP | -10 | 0.00 | 0.00 | 0.30 | 0.0 | 0.0 | 1.1 | 0.0 | 0.0 | 0.7 |
| Night | 95 | 35 | 95 | BLACK_TOP | -5 | 0.00 | 0.00 | 0.35 | 0.0 | 0.0 | 1.3 | 0.0 | 0.0 | 0.8 |
| Night | 95 | 35 | 95 | BLACK_TOP | 0 | 0.00 | 0.00 | 0.45 | 0.0 | 0.0 | 1.6 | 0.0 | 0.0 | 1.0 |
| Night | 95 | 35 | 95 | BLACK_TOP | 5 | 0.00 | 0.00 | 0.15 | 0.0 | 0.0 | 0.5 | 0.0 | 0.0 | 0.3 |
| Night | 95 | 35 | 95 | BLACK_TOP | 10 | 0.00 | 0.00 | 0.05 | 0.0 | 0.0 | 0.2 | 0.0 | 0.0 | 0.1 |
| Night | 95 | 35 | 95 | BLACK_TOP | 15 | 0.00 | 0.00 | 0.05 | 0.0 | 0.0 | 0.2 | 0.0 | 0.0 | 0.1 |
| Night | 95 | 35 | 95 | BLACK_TOP | 20 | 0.00 | 0.00 | 0.00 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Night | 95 | 35 | 95 | BLACK_TOP | 30 | 0.00 | 0.00 | 0.00 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Night | 95 | 35 | 95 | BLACK_TOP | 40 | 0.00 | 0.00 | 0.00 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Night | 95 | 35 | 95 | BLACK_TOP | 50 | 0.00 | 0.00 | 0.00 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Night | 95 | 35 | 95 | DIRT_ROAD | -50 | 0.00 | 0.00 | 0.05 | 0.0 | 0.0 | 0.2 | 0.0 | 0.0 | 0.1 |
| Night | 95 | 35 | 95 | DIRT_ROAD | -40 | 0.00 | 0.00 | 0.10 | 0.0 | 0.0 | 0.4 | 0.0 | 0.0 | 0.2 |
| Night | 95 | 35 | 95 | DIRT_ROAD | -30 | 0.00 | 0.00 | 0.10 | 0.0 | 0.0 | 0.4 | 0.0 | 0.0 | 0.2 |
| Night | 95 | 35 | 95 | DIRT_ROAD | -20 | 0.00 | 0.00 | 0.15 | 0.0 | 0.0 | 0.5 | 0.0 | 0.0 | 0.3 |
| Night | 95 | 35 | 95 | DIRT_ROAD | -15 | 0.00 | 0.00 | 0.20 | 0.0 | 0.0 | 0.7 | 0.0 | 0.0 | 0.4 |
| Night | 95 | 35 | 95 | DIRT_ROAD | -10 | 0.00 | 0.00 | 0.25 | 0.0 | 0.0 | 0.9 | 0.0 | 0.0 | 0.6 |
| Night | 95 | 35 | 95 | DIRT_ROAD | -5 | 0.00 | 0.00 | 0.35 | 0.0 | 0.0 | 1.3 | 0.0 | 0.0 | 0.8 |
| Night | 95 | 35 | 95 | DIRT_ROAD | 0 | 0.00 | 0.00 | 0.45 | 0.0 | 0.0 | 1.6 | 0.0 | 0.0 | 1.0 |
| Night | 95 | 35 | 95 | DIRT_ROAD | 5 | 0.00 | 0.00 | 0.15 | 0.0 | 0.0 | 0.5 | 0.0 | 0.0 | 0.3 |
| Night | 95 | 35 | 95 | DIRT_ROAD | 10 | 0.00 | 0.00 | 0.05 | 0.0 | 0.0 | 0.2 | 0.0 | 0.0 | 0.1 |
| Night | 95 | 35 | 95 | DIRT_ROAD | 15 | 0.00 | 0.00 | 0.05 | 0.0 | 0.0 | 0.2 | 0.0 | 0.0 | 0.1 |
| Night | 95 | 35 | 95 | DIRT_ROAD | 20 | 0.00 | 0.00 | 0.00 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Night | 95 | 35 | 95 | DIRT_ROAD | 30 | 0.00 | 0.00 | 0.00 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Night | 95 | 35 | 95 | DIRT_ROAD | 40 | 0.00 | 0.00 | 0.00 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Night | 95 | 35 | 95 | DIRT_ROAD | 50 | 0.00 | 0.00 | 0.00 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Night | 95 | 35 | 95 | LOOSE_SAND | -50 | 0.00 | 0.00 | 0.00 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Night | 95 | 35 | 95 | LOOSE_SAND | -40 | 0.00 | 0.00 | 0.05 | 0.0 | 0.0 | 0.2 | 0.0 | 0.0 | 0.1 |
| Night | 95 | 35 | 95 | LOOSE_SAND | -30 | 0.00 | 0.00 | 0.05 | 0.0 | 0.0 | 0.2 | 0.0 | 0.0 | 0.1 |
| Night | 95 | 35 | 95 | LOOSE_SAND | -20 | 0.00 | 0.00 | 0.10 | 0.0 | 0.0 | 0.4 | 0.0 | 0.0 | 0.2 |
| Night | 95 | 35 | 95 | LOOSE_SAND | -15 | 0.00 | 0.00 | 0.10 | 0.0 | 0.0 | 0.4 | 0.0 | 0.0 | 0.2 |
| Night | 95 | 35 | 95 | LOOSE_SAND | -10 | 0.00 | 0.00 | 0.15 | 0.0 | 0.0 | 0.5 | 0.0 | 0.0 | 0.3 |
| Night | 95 | 35 | 95 | LOOSE_SAND | -5 | 0.00 | 0.00 | 0.20 | 0.0 | 0.0 | 0.7 | 0.0 | 0.0 | 0.4 |
| Night | 95 | 35 | 95 | LOOSE_SAND | 0 | 0.00 | 0.00 | 0.30 | 0.0 | 0.0 | 1.1 | 0.0 | 0.0 | 0.7 |
| Night | 95 | 35 | 95 | LOOSE_SAND | 5 | 0.00 | 0.00 | 0.05 | 0.0 | 0.0 | 0.2 | 0.0 | 0.0 | 0.1 |
| Night | 95 | 35 | 95 | LOOSE_SAND | 10 | 0.00 | 0.00 | 0.00 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Night | 95 | 35 | 95 | LOOSE_SAND | 15 | 0.00 | 0.00 | 0.00 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Night | 95 | 35 | 95 | LOOSE_SAND | 20 | 0.00 | 0.00 | 0.00 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Night | 95 | 35 | 95 | LOOSE_SAND | 30 | 0.00 | 0.00 | 0.00 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Night | 95 | 35 | 95 | LOOSE_SAND | 40 | 0.00 | 0.00 | 0.00 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Night | 95 | 35 | 95 | LOOSE_SAND | 50 | 0.00 | 0.00 | 0.00 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

Appendix G

Maximum Sustainable Speed Tables, Partly Cloudy

Table G-1. Maximum Sustainable Speed, Partly Cloudy, 5% Humidity, 5°C (41°F)

| Cloud Cover | RH (%) | °C | °F | Terrain Type | Grade (%) | Max Sustainable Speed (meters/second) | | | Max Sustainable Speed (kilometers/hour) | | | Max Sustainable Speed (miles/hour) | | |
|---------------|--------|----|----|--------------|-----------|---------------------------------------|------|------|---|-----|------|------------------------------------|-----|------|
| | | | | | | Risk Level | | | Risk Level | | | Risk Level | | |
| | | | | | | Low | Mod | High | Low | Mod | High | Low | Mod | High |
| Partly_Cloudy | 5 | 5 | 41 | BLACK_TOP | -50 | 1.00 | 1.25 | 1.60 | 3.6 | 4.5 | 5.8 | 2.2 | 2.8 | 3.6 |
| Partly_Cloudy | 5 | 5 | 41 | BLACK_TOP | -40 | 1.15 | 1.40 | 1.75 | 4.1 | 5.0 | 6.3 | 2.6 | 3.1 | 3.9 |
| Partly_Cloudy | 5 | 5 | 41 | BLACK_TOP | -30 | 1.30 | 1.55 | 1.90 | 4.7 | 5.6 | 6.8 | 2.9 | 3.5 | 4.3 |
| Partly_Cloudy | 5 | 5 | 41 | BLACK_TOP | -20 | 1.45 | 1.70 | 2.10 | 5.2 | 6.1 | 7.6 | 3.2 | 3.8 | 4.7 |
| Partly_Cloudy | 5 | 5 | 41 | BLACK_TOP | -15 | 1.55 | 1.80 | 2.20 | 5.6 | 6.5 | 7.9 | 3.5 | 4.0 | 4.9 |
| Partly_Cloudy | 5 | 5 | 41 | BLACK_TOP | -10 | 1.65 | 1.90 | 2.30 | 5.9 | 6.8 | 8.3 | 3.7 | 4.3 | 5.2 |
| Partly_Cloudy | 5 | 5 | 41 | BLACK_TOP | -5 | 1.75 | 2.00 | 2.40 | 6.3 | 7.2 | 8.6 | 3.9 | 4.5 | 5.4 |
| Partly_Cloudy | 5 | 5 | 41 | BLACK_TOP | 0 | 1.85 | 2.15 | 2.50 | 6.7 | 7.7 | 9.0 | 4.1 | 4.8 | 5.6 |
| Partly_Cloudy | 5 | 5 | 41 | BLACK_TOP | 5 | 1.35 | 1.65 | 2.00 | 4.9 | 5.9 | 7.2 | 3.0 | 3.7 | 4.5 |
| Partly_Cloudy | 5 | 5 | 41 | BLACK_TOP | 10 | 1.00 | 1.25 | 1.60 | 3.6 | 4.5 | 5.8 | 2.2 | 2.8 | 3.6 |
| Partly_Cloudy | 5 | 5 | 41 | BLACK_TOP | 15 | 0.80 | 1.00 | 1.30 | 2.9 | 3.6 | 4.7 | 1.8 | 2.2 | 2.9 |
| Partly_Cloudy | 5 | 5 | 41 | BLACK_TOP | 20 | 0.65 | 0.80 | 1.10 | 2.3 | 2.9 | 4.0 | 1.5 | 1.8 | 2.5 |
| Partly_Cloudy | 5 | 5 | 41 | BLACK_TOP | 30 | 0.45 | 0.60 | 0.80 | 1.6 | 2.2 | 2.9 | 1.0 | 1.3 | 1.8 |
| Partly_Cloudy | 5 | 5 | 41 | BLACK_TOP | 40 | 0.35 | 0.45 | 0.65 | 1.3 | 1.6 | 2.3 | 0.8 | 1.0 | 1.5 |
| Partly_Cloudy | 5 | 5 | 41 | BLACK_TOP | 50 | 0.25 | 0.35 | 0.50 | 0.9 | 1.3 | 1.8 | 0.6 | 0.8 | 1.1 |
| Partly_Cloudy | 5 | 5 | 41 | DIRT_ROAD | -50 | 0.95 | 1.15 | 1.50 | 3.4 | 4.1 | 5.4 | 2.1 | 2.6 | 3.4 |
| Partly_Cloudy | 5 | 5 | 41 | DIRT_ROAD | -40 | 1.05 | 1.30 | 1.65 | 3.8 | 4.7 | 5.9 | 2.4 | 2.9 | 3.7 |
| Partly_Cloudy | 5 | 5 | 41 | DIRT_ROAD | -30 | 1.20 | 1.45 | 1.80 | 4.3 | 5.2 | 6.5 | 2.7 | 3.2 | 4.0 |
| Partly_Cloudy | 5 | 5 | 41 | DIRT_ROAD | -20 | 1.35 | 1.60 | 2.00 | 4.9 | 5.8 | 7.2 | 3.0 | 3.6 | 4.5 |
| Partly_Cloudy | 5 | 5 | 41 | DIRT_ROAD | -15 | 1.45 | 1.70 | 2.10 | 5.2 | 6.1 | 7.6 | 3.2 | 3.8 | 4.7 |
| Partly_Cloudy | 5 | 5 | 41 | DIRT_ROAD | -10 | 1.55 | 1.80 | 2.20 | 5.6 | 6.5 | 7.9 | 3.5 | 4.0 | 4.9 |
| Partly_Cloudy | 5 | 5 | 41 | DIRT_ROAD | -5 | 1.65 | 1.90 | 2.30 | 5.9 | 6.8 | 8.3 | 3.7 | 4.3 | 5.2 |
| Partly_Cloudy | 5 | 5 | 41 | DIRT_ROAD | 0 | 1.75 | 2.05 | 2.40 | 6.3 | 7.4 | 8.6 | 3.9 | 4.6 | 5.4 |
| Partly_Cloudy | 5 | 5 | 41 | DIRT_ROAD | 5 | 1.30 | 1.55 | 1.90 | 4.7 | 5.6 | 6.8 | 2.9 | 3.5 | 4.3 |
| Partly_Cloudy | 5 | 5 | 41 | DIRT_ROAD | 10 | 0.95 | 1.15 | 1.50 | 3.4 | 4.1 | 5.4 | 2.1 | 2.6 | 3.4 |
| Partly_Cloudy | 5 | 5 | 41 | DIRT_ROAD | 15 | 0.75 | 0.90 | 1.20 | 2.7 | 3.2 | 4.3 | 1.7 | 2.0 | 2.7 |
| Partly_Cloudy | 5 | 5 | 41 | DIRT_ROAD | 20 | 0.60 | 0.75 | 1.00 | 2.2 | 2.7 | 3.6 | 1.3 | 1.7 | 2.2 |
| Partly_Cloudy | 5 | 5 | 41 | DIRT_ROAD | 30 | 0.40 | 0.55 | 0.75 | 1.4 | 2.0 | 2.7 | 0.9 | 1.2 | 1.7 |
| Partly_Cloudy | 5 | 5 | 41 | DIRT_ROAD | 40 | 0.30 | 0.40 | 0.55 | 1.1 | 1.4 | 2.0 | 0.7 | 0.9 | 1.2 |
| Partly_Cloudy | 5 | 5 | 41 | DIRT_ROAD | 50 | 0.25 | 0.35 | 0.45 | 0.9 | 1.3 | 1.6 | 0.6 | 0.8 | 1.0 |
| Partly_Cloudy | 5 | 5 | 41 | LOOSE_SAND | -50 | 0.55 | 0.70 | 0.90 | 2.0 | 2.5 | 3.2 | 1.2 | 1.6 | 2.0 |
| Partly_Cloudy | 5 | 5 | 41 | LOOSE_SAND | -40 | 0.65 | 0.80 | 1.05 | 2.3 | 2.9 | 3.8 | 1.5 | 1.8 | 2.4 |
| Partly_Cloudy | 5 | 5 | 41 | LOOSE_SAND | -30 | 0.75 | 0.90 | 1.15 | 2.7 | 3.2 | 4.1 | 1.7 | 2.0 | 2.6 |
| Partly_Cloudy | 5 | 5 | 41 | LOOSE_SAND | -20 | 0.90 | 1.05 | 1.35 | 3.2 | 3.8 | 4.9 | 2.0 | 2.4 | 3.0 |
| Partly_Cloudy | 5 | 5 | 41 | LOOSE_SAND | -15 | 0.95 | 1.15 | 1.40 | 3.4 | 4.1 | 5.0 | 2.1 | 2.6 | 3.1 |
| Partly_Cloudy | 5 | 5 | 41 | LOOSE_SAND | -10 | 1.05 | 1.25 | 1.50 | 3.8 | 4.5 | 5.4 | 2.4 | 2.8 | 3.4 |
| Partly_Cloudy | 5 | 5 | 41 | LOOSE_SAND | -5 | 1.15 | 1.35 | 1.60 | 4.1 | 4.9 | 5.8 | 2.6 | 3.0 | 3.6 |
| Partly_Cloudy | 5 | 5 | 41 | LOOSE_SAND | 0 | 1.25 | 1.45 | 1.75 | 4.5 | 5.2 | 6.3 | 2.8 | 3.2 | 3.9 |
| Partly_Cloudy | 5 | 5 | 41 | LOOSE_SAND | 5 | 0.80 | 1.00 | 1.25 | 2.9 | 3.6 | 4.5 | 1.8 | 2.2 | 2.8 |
| Partly_Cloudy | 5 | 5 | 41 | LOOSE_SAND | 10 | 0.55 | 0.70 | 0.90 | 2.0 | 2.5 | 3.2 | 1.2 | 1.6 | 2.0 |
| Partly_Cloudy | 5 | 5 | 41 | LOOSE_SAND | 15 | 0.40 | 0.50 | 0.70 | 1.4 | 1.8 | 2.5 | 0.9 | 1.1 | 1.6 |
| Partly_Cloudy | 5 | 5 | 41 | LOOSE_SAND | 20 | 0.30 | 0.40 | 0.55 | 1.1 | 1.4 | 2.0 | 0.7 | 0.9 | 1.2 |
| Partly_Cloudy | 5 | 5 | 41 | LOOSE_SAND | 30 | 0.20 | 0.30 | 0.40 | 0.7 | 1.1 | 1.4 | 0.4 | 0.7 | 0.9 |
| Partly_Cloudy | 5 | 5 | 41 | LOOSE_SAND | 40 | 0.15 | 0.20 | 0.30 | 0.5 | 0.7 | 1.1 | 0.3 | 0.4 | 0.7 |
| Partly_Cloudy | 5 | 5 | 41 | LOOSE_SAND | 50 | 0.10 | 0.15 | 0.25 | 0.4 | 0.5 | 0.9 | 0.2 | 0.3 | 0.6 |

Table G-2. Maximum Sustainable Speed, Partly Cloudy, 5% Humidity, 10°C (50°F)

| Cloud Cover | RH (%) | °C | °F | Terrain Type | Grade (%) | Max Sustainable Speed (meters/second) | | | Max Sustainable Speed (kilometers/hour) | | | Max Sustainable Speed (miles/hour) | | |
|---------------|--------|----|----|--------------|-----------|---------------------------------------|------|------|---|-----|------|------------------------------------|-----|------|
| | | | | | | Risk Level | | | Risk Level | | | Risk Level | | |
| | | | | | | Low | Mod | High | Low | Mod | High | Low | Mod | High |
| Partly_Cloudy | 5 | 10 | 50 | BLACK_TOP | -50 | 0.95 | 1.20 | 1.60 | 3.4 | 4.3 | 5.8 | 2.1 | 2.7 | 3.6 |
| Partly_Cloudy | 5 | 10 | 50 | BLACK_TOP | -40 | 1.05 | 1.30 | 1.75 | 3.8 | 4.7 | 6.3 | 2.4 | 2.9 | 3.9 |
| Partly_Cloudy | 5 | 10 | 50 | BLACK_TOP | -30 | 1.20 | 1.45 | 1.90 | 4.3 | 5.2 | 6.8 | 2.7 | 3.2 | 4.3 |
| Partly_Cloudy | 5 | 10 | 50 | BLACK_TOP | -20 | 1.35 | 1.60 | 2.10 | 4.9 | 5.8 | 7.6 | 3.0 | 3.6 | 4.7 |
| Partly_Cloudy | 5 | 10 | 50 | BLACK_TOP | -15 | 1.45 | 1.70 | 2.20 | 5.2 | 6.1 | 7.9 | 3.2 | 3.8 | 4.9 |
| Partly_Cloudy | 5 | 10 | 50 | BLACK_TOP | -10 | 1.55 | 1.80 | 2.30 | 5.6 | 6.5 | 8.3 | 3.5 | 4.0 | 5.2 |
| Partly_Cloudy | 5 | 10 | 50 | BLACK_TOP | -5 | 1.65 | 1.90 | 2.40 | 5.9 | 6.8 | 8.6 | 3.7 | 4.3 | 5.4 |
| Partly_Cloudy | 5 | 10 | 50 | BLACK_TOP | 0 | 1.75 | 2.05 | 2.50 | 6.3 | 7.4 | 9.0 | 3.9 | 4.6 | 5.6 |
| Partly_Cloudy | 5 | 10 | 50 | BLACK_TOP | 5 | 1.25 | 1.55 | 2.00 | 4.5 | 5.6 | 7.2 | 2.8 | 3.5 | 4.5 |
| Partly_Cloudy | 5 | 10 | 50 | BLACK_TOP | 10 | 0.95 | 1.20 | 1.60 | 3.4 | 4.3 | 5.8 | 2.1 | 2.7 | 3.6 |
| Partly_Cloudy | 5 | 10 | 50 | BLACK_TOP | 15 | 0.70 | 0.95 | 1.30 | 2.5 | 3.4 | 4.7 | 1.6 | 2.1 | 2.9 |
| Partly_Cloudy | 5 | 10 | 50 | BLACK_TOP | 20 | 0.60 | 0.75 | 1.10 | 2.2 | 2.7 | 4.0 | 1.3 | 1.7 | 2.5 |
| Partly_Cloudy | 5 | 10 | 50 | BLACK_TOP | 30 | 0.40 | 0.55 | 0.80 | 1.4 | 2.0 | 2.9 | 0.9 | 1.2 | 1.8 |
| Partly_Cloudy | 5 | 10 | 50 | BLACK_TOP | 40 | 0.30 | 0.40 | 0.65 | 1.1 | 1.4 | 2.3 | 0.7 | 0.9 | 1.5 |
| Partly_Cloudy | 5 | 10 | 50 | BLACK_TOP | 50 | 0.25 | 0.35 | 0.50 | 0.9 | 1.3 | 1.8 | 0.6 | 0.8 | 1.1 |
| Partly_Cloudy | 5 | 10 | 50 | DIRT_ROAD | -50 | 0.85 | 1.10 | 1.50 | 3.1 | 4.0 | 5.4 | 1.9 | 2.5 | 3.4 |
| Partly_Cloudy | 5 | 10 | 50 | DIRT_ROAD | -40 | 1.00 | 1.20 | 1.65 | 3.6 | 4.3 | 5.9 | 2.2 | 2.7 | 3.7 |
| Partly_Cloudy | 5 | 10 | 50 | DIRT_ROAD | -30 | 1.10 | 1.35 | 1.80 | 4.0 | 4.9 | 6.5 | 2.5 | 3.0 | 4.0 |
| Partly_Cloudy | 5 | 10 | 50 | DIRT_ROAD | -20 | 1.25 | 1.55 | 2.00 | 4.5 | 5.6 | 7.2 | 2.8 | 3.5 | 4.5 |
| Partly_Cloudy | 5 | 10 | 50 | DIRT_ROAD | -15 | 1.35 | 1.60 | 2.10 | 4.9 | 5.8 | 7.6 | 3.0 | 3.6 | 4.7 |
| Partly_Cloudy | 5 | 10 | 50 | DIRT_ROAD | -10 | 1.45 | 1.70 | 2.20 | 5.2 | 6.1 | 7.9 | 3.2 | 3.8 | 4.9 |
| Partly_Cloudy | 5 | 10 | 50 | DIRT_ROAD | -5 | 1.55 | 1.85 | 2.30 | 5.6 | 6.7 | 8.3 | 3.5 | 4.1 | 5.2 |
| Partly_Cloudy | 5 | 10 | 50 | DIRT_ROAD | 0 | 1.70 | 1.95 | 2.40 | 6.1 | 7.0 | 8.6 | 3.8 | 4.4 | 5.4 |
| Partly_Cloudy | 5 | 10 | 50 | DIRT_ROAD | 5 | 1.20 | 1.45 | 1.90 | 4.3 | 5.2 | 6.8 | 2.7 | 3.2 | 4.3 |
| Partly_Cloudy | 5 | 10 | 50 | DIRT_ROAD | 10 | 0.85 | 1.10 | 1.50 | 3.1 | 4.0 | 5.4 | 1.9 | 2.5 | 3.4 |
| Partly_Cloudy | 5 | 10 | 50 | DIRT_ROAD | 15 | 0.65 | 0.85 | 1.20 | 2.3 | 3.1 | 4.3 | 1.5 | 1.9 | 2.7 |
| Partly_Cloudy | 5 | 10 | 50 | DIRT_ROAD | 20 | 0.55 | 0.70 | 1.00 | 2.0 | 2.5 | 3.6 | 1.2 | 1.6 | 2.2 |
| Partly_Cloudy | 5 | 10 | 50 | DIRT_ROAD | 30 | 0.35 | 0.50 | 0.75 | 1.3 | 1.8 | 2.7 | 0.8 | 1.1 | 1.7 |
| Partly_Cloudy | 5 | 10 | 50 | DIRT_ROAD | 40 | 0.30 | 0.35 | 0.55 | 1.1 | 1.3 | 2.0 | 0.7 | 0.8 | 1.2 |
| Partly_Cloudy | 5 | 10 | 50 | DIRT_ROAD | 50 | 0.20 | 0.30 | 0.45 | 0.7 | 1.1 | 1.6 | 0.4 | 0.7 | 1.0 |
| Partly_Cloudy | 5 | 10 | 50 | LOOSE_SAND | -50 | 0.50 | 0.65 | 0.90 | 1.8 | 2.3 | 3.2 | 1.1 | 1.5 | 2.0 |
| Partly_Cloudy | 5 | 10 | 50 | LOOSE_SAND | -40 | 0.60 | 0.75 | 1.05 | 2.2 | 2.7 | 3.8 | 1.3 | 1.7 | 2.4 |
| Partly_Cloudy | 5 | 10 | 50 | LOOSE_SAND | -30 | 0.70 | 0.85 | 1.15 | 2.5 | 3.1 | 4.1 | 1.6 | 1.9 | 2.6 |
| Partly_Cloudy | 5 | 10 | 50 | LOOSE_SAND | -20 | 0.85 | 1.00 | 1.35 | 3.1 | 3.6 | 4.9 | 1.9 | 2.2 | 3.0 |
| Partly_Cloudy | 5 | 10 | 50 | LOOSE_SAND | -15 | 0.90 | 1.10 | 1.40 | 3.2 | 4.0 | 5.0 | 2.0 | 2.5 | 3.1 |
| Partly_Cloudy | 5 | 10 | 50 | LOOSE_SAND | -10 | 1.00 | 1.20 | 1.50 | 3.6 | 4.3 | 5.4 | 2.2 | 2.7 | 3.4 |
| Partly_Cloudy | 5 | 10 | 50 | LOOSE_SAND | -5 | 1.10 | 1.30 | 1.60 | 4.0 | 4.7 | 5.8 | 2.5 | 2.9 | 3.6 |
| Partly_Cloudy | 5 | 10 | 50 | LOOSE_SAND | 0 | 1.20 | 1.40 | 1.75 | 4.3 | 5.0 | 6.3 | 2.7 | 3.1 | 3.9 |
| Partly_Cloudy | 5 | 10 | 50 | LOOSE_SAND | 5 | 0.75 | 0.95 | 1.25 | 2.7 | 3.4 | 4.5 | 1.7 | 2.1 | 2.8 |
| Partly_Cloudy | 5 | 10 | 50 | LOOSE_SAND | 10 | 0.50 | 0.65 | 0.90 | 1.8 | 2.3 | 3.2 | 1.1 | 1.5 | 2.0 |
| Partly_Cloudy | 5 | 10 | 50 | LOOSE_SAND | 15 | 0.35 | 0.50 | 0.70 | 1.3 | 1.8 | 2.5 | 0.8 | 1.1 | 1.6 |
| Partly_Cloudy | 5 | 10 | 50 | LOOSE_SAND | 20 | 0.30 | 0.35 | 0.55 | 1.1 | 1.3 | 2.0 | 0.7 | 0.8 | 1.2 |
| Partly_Cloudy | 5 | 10 | 50 | LOOSE_SAND | 30 | 0.20 | 0.25 | 0.40 | 0.7 | 0.9 | 1.4 | 0.4 | 0.6 | 0.9 |
| Partly_Cloudy | 5 | 10 | 50 | LOOSE_SAND | 40 | 0.15 | 0.20 | 0.30 | 0.5 | 0.7 | 1.1 | 0.3 | 0.4 | 0.7 |
| Partly_Cloudy | 5 | 10 | 50 | LOOSE_SAND | 50 | 0.10 | 0.15 | 0.25 | 0.4 | 0.5 | 0.9 | 0.2 | 0.3 | 0.6 |

Table G-3. Maximum Sustainable Speed, Partly Cloudy, 5% Humidity, 15°C (59°F)

| Cloud Cover | RH (%) | °C | °F | Terrain Type | Grade (%) | Max Sustainable Speed (meters/second) | | | Max Sustainable Speed (kilometers/hour) | | | Max Sustainable Speed (miles/hour) | | |
|---------------|--------|----|----|--------------|-----------|---------------------------------------|------|------|---|-----|------|------------------------------------|-----|------|
| | | | | | | Risk Level | | | Risk Level | | | Risk Level | | |
| | | | | | | Low | Mod | High | Low | Mod | High | Low | Mod | High |
| Partly_Cloudy | 5 | 15 | 59 | BLACK_TOP | -50 | 0.85 | 1.10 | 1.45 | 3.1 | 4.0 | 5.2 | 1.9 | 2.5 | 3.2 |
| Partly_Cloudy | 5 | 15 | 59 | BLACK_TOP | -40 | 0.95 | 1.20 | 1.60 | 3.4 | 4.3 | 5.8 | 2.1 | 2.7 | 3.6 |
| Partly_Cloudy | 5 | 15 | 59 | BLACK_TOP | -30 | 1.10 | 1.35 | 1.75 | 4.0 | 4.9 | 6.3 | 2.5 | 3.0 | 3.9 |
| Partly_Cloudy | 5 | 15 | 59 | BLACK_TOP | -20 | 1.25 | 1.55 | 1.95 | 4.5 | 5.6 | 7.0 | 2.8 | 3.5 | 4.4 |
| Partly_Cloudy | 5 | 15 | 59 | BLACK_TOP | -15 | 1.35 | 1.60 | 2.00 | 4.9 | 5.8 | 7.2 | 3.0 | 3.6 | 4.5 |
| Partly_Cloudy | 5 | 15 | 59 | BLACK_TOP | -10 | 1.45 | 1.70 | 2.15 | 5.2 | 6.1 | 7.7 | 3.2 | 3.8 | 4.8 |
| Partly_Cloudy | 5 | 15 | 59 | BLACK_TOP | -5 | 1.55 | 1.85 | 2.25 | 5.6 | 6.7 | 8.1 | 3.5 | 4.1 | 5.0 |
| Partly_Cloudy | 5 | 15 | 59 | BLACK_TOP | 0 | 1.65 | 1.95 | 2.35 | 5.9 | 7.0 | 8.5 | 3.7 | 4.4 | 5.3 |
| Partly_Cloudy | 5 | 15 | 59 | BLACK_TOP | 5 | 1.15 | 1.45 | 1.85 | 4.1 | 5.2 | 6.7 | 2.6 | 3.2 | 4.1 |
| Partly_Cloudy | 5 | 15 | 59 | BLACK_TOP | 10 | 0.85 | 1.10 | 1.45 | 3.1 | 4.0 | 5.2 | 1.9 | 2.5 | 3.2 |
| Partly_Cloudy | 5 | 15 | 59 | BLACK_TOP | 15 | 0.65 | 0.85 | 1.15 | 2.3 | 3.1 | 4.1 | 1.5 | 1.9 | 2.6 |
| Partly_Cloudy | 5 | 15 | 59 | BLACK_TOP | 20 | 0.50 | 0.70 | 0.95 | 1.8 | 2.5 | 3.4 | 1.1 | 1.6 | 2.1 |
| Partly_Cloudy | 5 | 15 | 59 | BLACK_TOP | 30 | 0.35 | 0.50 | 0.70 | 1.3 | 1.8 | 2.5 | 0.8 | 1.1 | 1.6 |
| Partly_Cloudy | 5 | 15 | 59 | BLACK_TOP | 40 | 0.25 | 0.35 | 0.55 | 0.9 | 1.3 | 2.0 | 0.6 | 0.8 | 1.2 |
| Partly_Cloudy | 5 | 15 | 59 | BLACK_TOP | 50 | 0.20 | 0.30 | 0.45 | 0.7 | 1.1 | 1.6 | 0.4 | 0.7 | 1.0 |
| Partly_Cloudy | 5 | 15 | 59 | DIRT_ROAD | -50 | 0.80 | 1.00 | 1.35 | 2.9 | 3.6 | 4.9 | 1.8 | 2.2 | 3.0 |
| Partly_Cloudy | 5 | 15 | 59 | DIRT_ROAD | -40 | 0.90 | 1.15 | 1.50 | 3.2 | 4.1 | 5.4 | 2.0 | 2.6 | 3.4 |
| Partly_Cloudy | 5 | 15 | 59 | DIRT_ROAD | -30 | 1.05 | 1.30 | 1.65 | 3.8 | 4.7 | 5.9 | 2.4 | 2.9 | 3.7 |
| Partly_Cloudy | 5 | 15 | 59 | DIRT_ROAD | -20 | 1.20 | 1.45 | 1.80 | 4.3 | 5.2 | 6.5 | 2.7 | 3.2 | 4.0 |
| Partly_Cloudy | 5 | 15 | 59 | DIRT_ROAD | -15 | 1.25 | 1.55 | 1.90 | 4.5 | 5.6 | 6.8 | 2.8 | 3.5 | 4.3 |
| Partly_Cloudy | 5 | 15 | 59 | DIRT_ROAD | -10 | 1.35 | 1.65 | 2.00 | 4.9 | 5.9 | 7.2 | 3.0 | 3.7 | 4.5 |
| Partly_Cloudy | 5 | 15 | 59 | DIRT_ROAD | -5 | 1.45 | 1.75 | 2.10 | 5.2 | 6.3 | 7.6 | 3.2 | 3.9 | 4.7 |
| Partly_Cloudy | 5 | 15 | 59 | DIRT_ROAD | 0 | 1.60 | 1.85 | 2.25 | 5.8 | 6.7 | 8.1 | 3.6 | 4.1 | 5.0 |
| Partly_Cloudy | 5 | 15 | 59 | DIRT_ROAD | 5 | 1.10 | 1.35 | 1.75 | 4.0 | 4.9 | 6.3 | 2.5 | 3.0 | 3.9 |
| Partly_Cloudy | 5 | 15 | 59 | DIRT_ROAD | 10 | 0.80 | 1.00 | 1.35 | 2.9 | 3.6 | 4.9 | 1.8 | 2.2 | 3.0 |
| Partly_Cloudy | 5 | 15 | 59 | DIRT_ROAD | 15 | 0.60 | 0.80 | 1.10 | 2.2 | 2.9 | 4.0 | 1.3 | 1.8 | 2.5 |
| Partly_Cloudy | 5 | 15 | 59 | DIRT_ROAD | 20 | 0.45 | 0.65 | 0.90 | 1.6 | 2.3 | 3.2 | 1.0 | 1.5 | 2.0 |
| Partly_Cloudy | 5 | 15 | 59 | DIRT_ROAD | 30 | 0.35 | 0.45 | 0.65 | 1.3 | 1.6 | 2.3 | 0.8 | 1.0 | 1.5 |
| Partly_Cloudy | 5 | 15 | 59 | DIRT_ROAD | 40 | 0.25 | 0.35 | 0.50 | 0.9 | 1.3 | 1.8 | 0.6 | 0.8 | 1.1 |
| Partly_Cloudy | 5 | 15 | 59 | DIRT_ROAD | 50 | 0.20 | 0.25 | 0.40 | 0.7 | 0.9 | 1.4 | 0.4 | 0.6 | 0.9 |
| Partly_Cloudy | 5 | 15 | 59 | LOOSE_SAND | -50 | 0.45 | 0.60 | 0.80 | 1.6 | 2.2 | 2.9 | 1.0 | 1.3 | 1.8 |
| Partly_Cloudy | 5 | 15 | 59 | LOOSE_SAND | -40 | 0.55 | 0.70 | 0.95 | 2.0 | 2.5 | 3.4 | 1.2 | 1.6 | 2.1 |
| Partly_Cloudy | 5 | 15 | 59 | LOOSE_SAND | -30 | 0.65 | 0.80 | 1.05 | 2.3 | 2.9 | 3.8 | 1.5 | 1.8 | 2.4 |
| Partly_Cloudy | 5 | 15 | 59 | LOOSE_SAND | -20 | 0.75 | 0.95 | 1.20 | 2.7 | 3.4 | 4.3 | 1.7 | 2.1 | 2.7 |
| Partly_Cloudy | 5 | 15 | 59 | LOOSE_SAND | -15 | 0.85 | 1.05 | 1.30 | 3.1 | 3.8 | 4.7 | 1.9 | 2.4 | 2.9 |
| Partly_Cloudy | 5 | 15 | 59 | LOOSE_SAND | -10 | 0.95 | 1.10 | 1.40 | 3.4 | 4.0 | 5.0 | 2.1 | 2.5 | 3.1 |
| Partly_Cloudy | 5 | 15 | 59 | LOOSE_SAND | -5 | 1.05 | 1.20 | 1.50 | 3.8 | 4.3 | 5.4 | 2.4 | 2.7 | 3.4 |
| Partly_Cloudy | 5 | 15 | 59 | LOOSE_SAND | 0 | 1.15 | 1.35 | 1.60 | 4.1 | 4.9 | 5.8 | 2.6 | 3.0 | 3.6 |
| Partly_Cloudy | 5 | 15 | 59 | LOOSE_SAND | 5 | 0.70 | 0.85 | 1.15 | 2.5 | 3.1 | 4.1 | 1.6 | 1.9 | 2.6 |
| Partly_Cloudy | 5 | 15 | 59 | LOOSE_SAND | 10 | 0.45 | 0.60 | 0.80 | 1.6 | 2.2 | 2.9 | 1.0 | 1.3 | 1.8 |
| Partly_Cloudy | 5 | 15 | 59 | LOOSE_SAND | 15 | 0.35 | 0.45 | 0.60 | 1.3 | 1.6 | 2.2 | 0.8 | 1.0 | 1.3 |
| Partly_Cloudy | 5 | 15 | 59 | LOOSE_SAND | 20 | 0.25 | 0.35 | 0.50 | 0.9 | 1.3 | 1.8 | 0.6 | 0.8 | 1.1 |
| Partly_Cloudy | 5 | 15 | 59 | LOOSE_SAND | 30 | 0.15 | 0.25 | 0.35 | 0.5 | 0.9 | 1.3 | 0.3 | 0.6 | 0.8 |
| Partly_Cloudy | 5 | 15 | 59 | LOOSE_SAND | 40 | 0.10 | 0.15 | 0.25 | 0.4 | 0.5 | 0.9 | 0.2 | 0.3 | 0.6 |
| Partly_Cloudy | 5 | 15 | 59 | LOOSE_SAND | 50 | 0.10 | 0.15 | 0.20 | 0.4 | 0.5 | 0.7 | 0.2 | 0.3 | 0.4 |

Table G-4. Maximum Sustainable Speed, Partly Cloudy, 5% Humidity, 20°C (68°F)

| Cloud Cover | RH (%) | °C | °F | Terrain Type | Grade (%) | Max Sustainable Speed (meters/second) | | | Max Sustainable Speed (kilometers/hour) | | | Max Sustainable Speed (miles/hour) | | |
|---------------|--------|----|----|--------------|-----------|---------------------------------------|------|------|---|-----|------|------------------------------------|-----|------|
| | | | | | | Risk Level | | | Risk Level | | | Risk Level | | |
| | | | | | | Low | Mod | High | Low | Mod | High | Low | Mod | High |
| Partly_Cloudy | 5 | 20 | 68 | BLACK_TOP | -50 | 0.75 | 1.00 | 1.35 | 2.7 | 3.6 | 4.9 | 1.7 | 2.2 | 3.0 |
| Partly_Cloudy | 5 | 20 | 68 | BLACK_TOP | -40 | 0.85 | 1.15 | 1.45 | 3.1 | 4.1 | 5.2 | 1.9 | 2.6 | 3.2 |
| Partly_Cloudy | 5 | 20 | 68 | BLACK_TOP | -30 | 1.00 | 1.25 | 1.60 | 3.6 | 4.5 | 5.8 | 2.2 | 2.8 | 3.6 |
| Partly_Cloudy | 5 | 20 | 68 | BLACK_TOP | -20 | 1.15 | 1.45 | 1.80 | 4.1 | 5.2 | 6.5 | 2.6 | 3.2 | 4.0 |
| Partly_Cloudy | 5 | 20 | 68 | BLACK_TOP | -15 | 1.25 | 1.50 | 1.90 | 4.5 | 5.4 | 6.8 | 2.8 | 3.4 | 4.3 |
| Partly_Cloudy | 5 | 20 | 68 | BLACK_TOP | -10 | 1.35 | 1.60 | 2.00 | 4.9 | 5.8 | 7.2 | 3.0 | 3.6 | 4.5 |
| Partly_Cloudy | 5 | 20 | 68 | BLACK_TOP | -5 | 1.45 | 1.75 | 2.10 | 5.2 | 6.3 | 7.6 | 3.2 | 3.9 | 4.7 |
| Partly_Cloudy | 5 | 20 | 68 | BLACK_TOP | 0 | 1.55 | 1.85 | 2.20 | 5.6 | 6.7 | 7.9 | 3.5 | 4.1 | 4.9 |
| Partly_Cloudy | 5 | 20 | 68 | BLACK_TOP | 5 | 1.05 | 1.35 | 1.70 | 3.8 | 4.9 | 6.1 | 2.4 | 3.0 | 3.8 |
| Partly_Cloudy | 5 | 20 | 68 | BLACK_TOP | 10 | 0.75 | 1.00 | 1.35 | 2.7 | 3.6 | 4.9 | 1.7 | 2.2 | 3.0 |
| Partly_Cloudy | 5 | 20 | 68 | BLACK_TOP | 15 | 0.60 | 0.80 | 1.05 | 2.2 | 2.9 | 3.8 | 1.3 | 1.8 | 2.4 |
| Partly_Cloudy | 5 | 20 | 68 | BLACK_TOP | 20 | 0.45 | 0.65 | 0.90 | 1.6 | 2.3 | 3.2 | 1.0 | 1.5 | 2.0 |
| Partly_Cloudy | 5 | 20 | 68 | BLACK_TOP | 30 | 0.30 | 0.45 | 0.65 | 1.1 | 1.6 | 2.3 | 0.7 | 1.0 | 1.5 |
| Partly_Cloudy | 5 | 20 | 68 | BLACK_TOP | 40 | 0.25 | 0.35 | 0.50 | 0.9 | 1.3 | 1.8 | 0.6 | 0.8 | 1.1 |
| Partly_Cloudy | 5 | 20 | 68 | BLACK_TOP | 50 | 0.20 | 0.25 | 0.40 | 0.7 | 0.9 | 1.4 | 0.4 | 0.6 | 0.9 |
| Partly_Cloudy | 5 | 20 | 68 | DIRT_ROAD | -50 | 0.70 | 0.95 | 1.25 | 2.5 | 3.4 | 4.5 | 1.6 | 2.1 | 2.8 |
| Partly_Cloudy | 5 | 20 | 68 | DIRT_ROAD | -40 | 0.80 | 1.05 | 1.35 | 2.9 | 3.8 | 4.9 | 1.8 | 2.4 | 3.0 |
| Partly_Cloudy | 5 | 20 | 68 | DIRT_ROAD | -30 | 0.95 | 1.20 | 1.50 | 3.4 | 4.3 | 5.4 | 2.1 | 2.7 | 3.4 |
| Partly_Cloudy | 5 | 20 | 68 | DIRT_ROAD | -20 | 1.10 | 1.35 | 1.70 | 4.0 | 4.9 | 6.1 | 2.5 | 3.0 | 3.8 |
| Partly_Cloudy | 5 | 20 | 68 | DIRT_ROAD | -15 | 1.15 | 1.45 | 1.80 | 4.1 | 5.2 | 6.5 | 2.6 | 3.2 | 4.0 |
| Partly_Cloudy | 5 | 20 | 68 | DIRT_ROAD | -10 | 1.25 | 1.55 | 1.90 | 4.5 | 5.6 | 6.8 | 2.8 | 3.5 | 4.3 |
| Partly_Cloudy | 5 | 20 | 68 | DIRT_ROAD | -5 | 1.35 | 1.65 | 2.00 | 4.9 | 5.9 | 7.2 | 3.0 | 3.7 | 4.5 |
| Partly_Cloudy | 5 | 20 | 68 | DIRT_ROAD | 0 | 1.50 | 1.75 | 2.10 | 5.4 | 6.3 | 7.6 | 3.4 | 3.9 | 4.7 |
| Partly_Cloudy | 5 | 20 | 68 | DIRT_ROAD | 5 | 1.00 | 1.25 | 1.60 | 3.6 | 4.5 | 5.8 | 2.2 | 2.8 | 3.6 |
| Partly_Cloudy | 5 | 20 | 68 | DIRT_ROAD | 10 | 0.70 | 0.95 | 1.25 | 2.5 | 3.4 | 4.5 | 1.6 | 2.1 | 2.8 |
| Partly_Cloudy | 5 | 20 | 68 | DIRT_ROAD | 15 | 0.55 | 0.70 | 1.00 | 2.0 | 2.5 | 3.6 | 1.2 | 1.6 | 2.2 |
| Partly_Cloudy | 5 | 20 | 68 | DIRT_ROAD | 20 | 0.40 | 0.60 | 0.80 | 1.4 | 2.2 | 2.9 | 0.9 | 1.3 | 1.8 |
| Partly_Cloudy | 5 | 20 | 68 | DIRT_ROAD | 30 | 0.30 | 0.40 | 0.60 | 1.1 | 1.4 | 2.2 | 0.7 | 0.9 | 1.3 |
| Partly_Cloudy | 5 | 20 | 68 | DIRT_ROAD | 40 | 0.20 | 0.30 | 0.45 | 0.7 | 1.1 | 1.6 | 0.4 | 0.7 | 1.0 |
| Partly_Cloudy | 5 | 20 | 68 | DIRT_ROAD | 50 | 0.15 | 0.25 | 0.35 | 0.5 | 0.9 | 1.3 | 0.3 | 0.6 | 0.8 |
| Partly_Cloudy | 5 | 20 | 68 | LOOSE_SAND | -50 | 0.40 | 0.55 | 0.75 | 1.4 | 2.0 | 2.7 | 0.9 | 1.2 | 1.7 |
| Partly_Cloudy | 5 | 20 | 68 | LOOSE_SAND | -40 | 0.50 | 0.65 | 0.85 | 1.8 | 2.3 | 3.1 | 1.1 | 1.5 | 1.9 |
| Partly_Cloudy | 5 | 20 | 68 | LOOSE_SAND | -30 | 0.55 | 0.75 | 0.95 | 2.0 | 2.7 | 3.4 | 1.2 | 1.7 | 2.1 |
| Partly_Cloudy | 5 | 20 | 68 | LOOSE_SAND | -20 | 0.70 | 0.90 | 1.10 | 2.5 | 3.2 | 4.0 | 1.6 | 2.0 | 2.5 |
| Partly_Cloudy | 5 | 20 | 68 | LOOSE_SAND | -15 | 0.75 | 0.95 | 1.20 | 2.7 | 3.4 | 4.3 | 1.7 | 2.1 | 2.7 |
| Partly_Cloudy | 5 | 20 | 68 | LOOSE_SAND | -10 | 0.85 | 1.05 | 1.30 | 3.1 | 3.8 | 4.7 | 1.9 | 2.4 | 2.9 |
| Partly_Cloudy | 5 | 20 | 68 | LOOSE_SAND | -5 | 0.95 | 1.15 | 1.40 | 3.4 | 4.1 | 5.0 | 2.1 | 2.6 | 3.1 |
| Partly_Cloudy | 5 | 20 | 68 | LOOSE_SAND | 0 | 1.05 | 1.25 | 1.50 | 3.8 | 4.5 | 5.4 | 2.4 | 2.8 | 3.4 |
| Partly_Cloudy | 5 | 20 | 68 | LOOSE_SAND | 5 | 0.65 | 0.80 | 1.05 | 2.3 | 2.9 | 3.8 | 1.5 | 1.8 | 2.4 |
| Partly_Cloudy | 5 | 20 | 68 | LOOSE_SAND | 10 | 0.40 | 0.55 | 0.75 | 1.4 | 2.0 | 2.7 | 0.9 | 1.2 | 1.7 |
| Partly_Cloudy | 5 | 20 | 68 | LOOSE_SAND | 15 | 0.30 | 0.40 | 0.55 | 1.1 | 1.4 | 2.0 | 0.7 | 0.9 | 1.2 |
| Partly_Cloudy | 5 | 20 | 68 | LOOSE_SAND | 20 | 0.20 | 0.30 | 0.45 | 0.7 | 1.1 | 1.6 | 0.4 | 0.7 | 1.0 |
| Partly_Cloudy | 5 | 20 | 68 | LOOSE_SAND | 30 | 0.15 | 0.20 | 0.30 | 0.5 | 0.7 | 1.1 | 0.3 | 0.4 | 0.7 |
| Partly_Cloudy | 5 | 20 | 68 | LOOSE_SAND | 40 | 0.10 | 0.15 | 0.20 | 0.4 | 0.5 | 0.7 | 0.2 | 0.3 | 0.4 |
| Partly_Cloudy | 5 | 20 | 68 | LOOSE_SAND | 50 | 0.10 | 0.10 | 0.20 | 0.4 | 0.4 | 0.7 | 0.2 | 0.2 | 0.4 |

Table G-5. Maximum Sustainable Speed, Partly Cloudy, 5% Humidity, 25°C (77°F)

| Cloud Cover | RH (%) | °C | °F | Terrain Type | Grade (%) | Max Sustainable Speed (meters/second) | | | Max Sustainable Speed (kilometers/hour) | | | Max Sustainable Speed (miles/hour) | | |
|---------------|--------|----|----|--------------|-----------|---------------------------------------|------|------|---|-----|------|------------------------------------|-----|------|
| | | | | | | Risk Level | | | Risk Level | | | Risk Level | | |
| | | | | | | Low | Mod | High | Low | Mod | High | Low | Mod | High |
| Partly_Cloudy | 5 | 25 | 77 | BLACK_TOP | -50 | 0.70 | 0.90 | 1.20 | 2.5 | 3.2 | 4.3 | 1.6 | 2.0 | 2.7 |
| Partly_Cloudy | 5 | 25 | 77 | BLACK_TOP | -40 | 0.80 | 1.05 | 1.35 | 2.9 | 3.8 | 4.9 | 1.8 | 2.4 | 3.0 |
| Partly_Cloudy | 5 | 25 | 77 | BLACK_TOP | -30 | 0.90 | 1.15 | 1.50 | 3.2 | 4.1 | 5.4 | 2.0 | 2.6 | 3.4 |
| Partly_Cloudy | 5 | 25 | 77 | BLACK_TOP | -20 | 1.05 | 1.35 | 1.65 | 3.8 | 4.9 | 5.9 | 2.4 | 3.0 | 3.7 |
| Partly_Cloudy | 5 | 25 | 77 | BLACK_TOP | -15 | 1.15 | 1.40 | 1.75 | 4.1 | 5.0 | 6.3 | 2.6 | 3.1 | 3.9 |
| Partly_Cloudy | 5 | 25 | 77 | BLACK_TOP | -10 | 1.25 | 1.50 | 1.85 | 4.5 | 5.4 | 6.7 | 2.8 | 3.4 | 4.1 |
| Partly_Cloudy | 5 | 25 | 77 | BLACK_TOP | -5 | 1.35 | 1.65 | 1.95 | 4.9 | 5.9 | 7.0 | 3.0 | 3.7 | 4.4 |
| Partly_Cloudy | 5 | 25 | 77 | BLACK_TOP | 0 | 1.45 | 1.75 | 2.05 | 5.2 | 6.3 | 7.4 | 3.2 | 3.9 | 4.6 |
| Partly_Cloudy | 5 | 25 | 77 | BLACK_TOP | 5 | 0.95 | 1.25 | 1.55 | 3.4 | 4.5 | 5.6 | 2.1 | 2.8 | 3.5 |
| Partly_Cloudy | 5 | 25 | 77 | BLACK_TOP | 10 | 0.70 | 0.90 | 1.20 | 2.5 | 3.2 | 4.3 | 1.6 | 2.0 | 2.7 |
| Partly_Cloudy | 5 | 25 | 77 | BLACK_TOP | 15 | 0.50 | 0.70 | 0.95 | 1.8 | 2.5 | 3.4 | 1.1 | 1.6 | 2.1 |
| Partly_Cloudy | 5 | 25 | 77 | BLACK_TOP | 20 | 0.40 | 0.55 | 0.80 | 1.4 | 2.0 | 2.9 | 0.9 | 1.2 | 1.8 |
| Partly_Cloudy | 5 | 25 | 77 | BLACK_TOP | 30 | 0.25 | 0.40 | 0.55 | 0.9 | 1.4 | 2.0 | 0.6 | 0.9 | 1.2 |
| Partly_Cloudy | 5 | 25 | 77 | BLACK_TOP | 40 | 0.20 | 0.30 | 0.40 | 0.7 | 1.1 | 1.4 | 0.4 | 0.7 | 0.9 |
| Partly_Cloudy | 5 | 25 | 77 | BLACK_TOP | 50 | 0.15 | 0.25 | 0.35 | 0.5 | 0.9 | 1.3 | 0.3 | 0.6 | 0.8 |
| Partly_Cloudy | 5 | 25 | 77 | DIRT_ROAD | -50 | 0.65 | 0.85 | 1.10 | 2.3 | 3.1 | 4.0 | 1.5 | 1.9 | 2.5 |
| Partly_Cloudy | 5 | 25 | 77 | DIRT_ROAD | -40 | 0.70 | 0.95 | 1.25 | 2.5 | 3.4 | 4.5 | 1.6 | 2.1 | 2.8 |
| Partly_Cloudy | 5 | 25 | 77 | DIRT_ROAD | -30 | 0.85 | 1.10 | 1.40 | 3.1 | 4.0 | 5.0 | 1.9 | 2.5 | 3.1 |
| Partly_Cloudy | 5 | 25 | 77 | DIRT_ROAD | -20 | 1.00 | 1.25 | 1.55 | 3.6 | 4.5 | 5.6 | 2.2 | 2.8 | 3.5 |
| Partly_Cloudy | 5 | 25 | 77 | DIRT_ROAD | -15 | 1.05 | 1.35 | 1.65 | 3.8 | 4.9 | 5.9 | 2.4 | 3.0 | 3.7 |
| Partly_Cloudy | 5 | 25 | 77 | DIRT_ROAD | -10 | 1.15 | 1.45 | 1.75 | 4.1 | 5.2 | 6.3 | 2.6 | 3.2 | 3.9 |
| Partly_Cloudy | 5 | 25 | 77 | DIRT_ROAD | -5 | 1.25 | 1.55 | 1.85 | 4.5 | 5.6 | 6.7 | 2.8 | 3.5 | 4.1 |
| Partly_Cloudy | 5 | 25 | 77 | DIRT_ROAD | 0 | 1.35 | 1.65 | 1.95 | 4.9 | 5.9 | 7.0 | 3.0 | 3.7 | 4.4 |
| Partly_Cloudy | 5 | 25 | 77 | DIRT_ROAD | 5 | 0.90 | 1.15 | 1.45 | 3.2 | 4.1 | 5.2 | 2.0 | 2.6 | 3.2 |
| Partly_Cloudy | 5 | 25 | 77 | DIRT_ROAD | 10 | 0.65 | 0.85 | 1.10 | 2.3 | 3.1 | 4.0 | 1.5 | 1.9 | 2.5 |
| Partly_Cloudy | 5 | 25 | 77 | DIRT_ROAD | 15 | 0.45 | 0.65 | 0.90 | 1.6 | 2.3 | 3.2 | 1.0 | 1.5 | 2.0 |
| Partly_Cloudy | 5 | 25 | 77 | DIRT_ROAD | 20 | 0.35 | 0.50 | 0.70 | 1.3 | 1.8 | 2.5 | 0.8 | 1.1 | 1.6 |
| Partly_Cloudy | 5 | 25 | 77 | DIRT_ROAD | 30 | 0.25 | 0.35 | 0.50 | 0.9 | 1.3 | 1.8 | 0.6 | 0.8 | 1.1 |
| Partly_Cloudy | 5 | 25 | 77 | DIRT_ROAD | 40 | 0.20 | 0.25 | 0.40 | 0.7 | 0.9 | 1.4 | 0.4 | 0.6 | 0.9 |
| Partly_Cloudy | 5 | 25 | 77 | DIRT_ROAD | 50 | 0.15 | 0.20 | 0.30 | 0.5 | 0.7 | 1.1 | 0.3 | 0.4 | 0.7 |
| Partly_Cloudy | 5 | 25 | 77 | LOOSE_SAND | -50 | 0.35 | 0.50 | 0.65 | 1.3 | 1.8 | 2.3 | 0.8 | 1.1 | 1.5 |
| Partly_Cloudy | 5 | 25 | 77 | LOOSE_SAND | -40 | 0.40 | 0.60 | 0.75 | 1.4 | 2.2 | 2.7 | 0.9 | 1.3 | 1.7 |
| Partly_Cloudy | 5 | 25 | 77 | LOOSE_SAND | -30 | 0.50 | 0.70 | 0.90 | 1.8 | 2.5 | 3.2 | 1.1 | 1.6 | 2.0 |
| Partly_Cloudy | 5 | 25 | 77 | LOOSE_SAND | -20 | 0.60 | 0.80 | 1.05 | 2.2 | 2.9 | 3.8 | 1.3 | 1.8 | 2.4 |
| Partly_Cloudy | 5 | 25 | 77 | LOOSE_SAND | -15 | 0.70 | 0.90 | 1.10 | 2.5 | 3.2 | 4.0 | 1.6 | 2.0 | 2.5 |
| Partly_Cloudy | 5 | 25 | 77 | LOOSE_SAND | -10 | 0.80 | 1.00 | 1.20 | 2.9 | 3.6 | 4.3 | 1.8 | 2.2 | 2.7 |
| Partly_Cloudy | 5 | 25 | 77 | LOOSE_SAND | -5 | 0.90 | 1.10 | 1.30 | 3.2 | 4.0 | 4.7 | 2.0 | 2.5 | 2.9 |
| Partly_Cloudy | 5 | 25 | 77 | LOOSE_SAND | 0 | 1.00 | 1.20 | 1.40 | 3.6 | 4.3 | 5.0 | 2.2 | 2.7 | 3.1 |
| Partly_Cloudy | 5 | 25 | 77 | LOOSE_SAND | 5 | 0.55 | 0.75 | 0.95 | 2.0 | 2.7 | 3.4 | 1.2 | 1.7 | 2.1 |
| Partly_Cloudy | 5 | 25 | 77 | LOOSE_SAND | 10 | 0.35 | 0.50 | 0.65 | 1.3 | 1.8 | 2.3 | 0.8 | 1.1 | 1.5 |
| Partly_Cloudy | 5 | 25 | 77 | LOOSE_SAND | 15 | 0.25 | 0.35 | 0.50 | 0.9 | 1.3 | 1.8 | 0.6 | 0.8 | 1.1 |
| Partly_Cloudy | 5 | 25 | 77 | LOOSE_SAND | 20 | 0.20 | 0.25 | 0.40 | 0.7 | 0.9 | 1.4 | 0.4 | 0.6 | 0.9 |
| Partly_Cloudy | 5 | 25 | 77 | LOOSE_SAND | 30 | 0.10 | 0.20 | 0.25 | 0.4 | 0.7 | 0.9 | 0.2 | 0.4 | 0.6 |
| Partly_Cloudy | 5 | 25 | 77 | LOOSE_SAND | 40 | 0.10 | 0.15 | 0.20 | 0.4 | 0.5 | 0.7 | 0.2 | 0.3 | 0.4 |
| Partly_Cloudy | 5 | 25 | 77 | LOOSE_SAND | 50 | 0.05 | 0.10 | 0.15 | 0.2 | 0.4 | 0.5 | 0.1 | 0.2 | 0.3 |

Table G-6. Maximum Sustainable Speed, Partly Cloudy, 5% Humidity, 30°C (86°F)

| Cloud Cover | RH (%) | °C | °F | Terrain Type | Grade (%) | Max Sustainable Speed (meters/second) | | | Max Sustainable Speed (kilometers/hour) | | | Max Sustainable Speed (miles/hour) | | |
|---------------|--------|----|----|--------------|-----------|---------------------------------------|------|------|---|-----|------|------------------------------------|-----|------|
| | | | | | | Risk Level | | | Risk Level | | | Risk Level | | |
| | | | | | | Low | Mod | High | Low | Mod | High | Low | Mod | High |
| Partly_Cloudy | 5 | 30 | 86 | BLACK_TOP | -50 | 0.60 | 0.85 | 1.10 | 2.2 | 3.1 | 4.0 | 1.3 | 1.9 | 2.5 |
| Partly_Cloudy | 5 | 30 | 86 | BLACK_TOP | -40 | 0.70 | 0.95 | 1.20 | 2.5 | 3.4 | 4.3 | 1.6 | 2.1 | 2.7 |
| Partly_Cloudy | 5 | 30 | 86 | BLACK_TOP | -30 | 0.80 | 1.05 | 1.35 | 2.9 | 3.8 | 4.9 | 1.8 | 2.4 | 3.0 |
| Partly_Cloudy | 5 | 30 | 86 | BLACK_TOP | -20 | 0.95 | 1.25 | 1.50 | 3.4 | 4.5 | 5.4 | 2.1 | 2.8 | 3.4 |
| Partly_Cloudy | 5 | 30 | 86 | BLACK_TOP | -15 | 1.00 | 1.30 | 1.60 | 3.6 | 4.7 | 5.8 | 2.2 | 2.9 | 3.6 |
| Partly_Cloudy | 5 | 30 | 86 | BLACK_TOP | -10 | 1.10 | 1.40 | 1.70 | 4.0 | 5.0 | 6.1 | 2.5 | 3.1 | 3.8 |
| Partly_Cloudy | 5 | 30 | 86 | BLACK_TOP | -5 | 1.20 | 1.50 | 1.80 | 4.3 | 5.4 | 6.5 | 2.7 | 3.4 | 4.0 |
| Partly_Cloudy | 5 | 30 | 86 | BLACK_TOP | 0 | 1.30 | 1.65 | 1.90 | 4.7 | 5.9 | 6.8 | 2.9 | 3.7 | 4.3 |
| Partly_Cloudy | 5 | 30 | 86 | BLACK_TOP | 5 | 0.85 | 1.15 | 1.45 | 3.1 | 4.1 | 5.2 | 1.9 | 2.6 | 3.2 |
| Partly_Cloudy | 5 | 30 | 86 | BLACK_TOP | 10 | 0.60 | 0.85 | 1.10 | 2.2 | 3.1 | 4.0 | 1.3 | 1.9 | 2.5 |
| Partly_Cloudy | 5 | 30 | 86 | BLACK_TOP | 15 | 0.45 | 0.65 | 0.85 | 1.6 | 2.3 | 3.1 | 1.0 | 1.5 | 1.9 |
| Partly_Cloudy | 5 | 30 | 86 | BLACK_TOP | 20 | 0.35 | 0.50 | 0.70 | 1.3 | 1.8 | 2.5 | 0.8 | 1.1 | 1.6 |
| Partly_Cloudy | 5 | 30 | 86 | BLACK_TOP | 30 | 0.25 | 0.35 | 0.50 | 0.9 | 1.3 | 1.8 | 0.6 | 0.8 | 1.1 |
| Partly_Cloudy | 5 | 30 | 86 | BLACK_TOP | 40 | 0.15 | 0.25 | 0.35 | 0.5 | 0.9 | 1.3 | 0.3 | 0.6 | 0.8 |
| Partly_Cloudy | 5 | 30 | 86 | BLACK_TOP | 50 | 0.15 | 0.20 | 0.30 | 0.5 | 0.7 | 1.1 | 0.3 | 0.4 | 0.7 |
| Partly_Cloudy | 5 | 30 | 86 | DIRT_ROAD | -50 | 0.55 | 0.75 | 1.00 | 2.0 | 2.7 | 3.6 | 1.2 | 1.7 | 2.2 |
| Partly_Cloudy | 5 | 30 | 86 | DIRT_ROAD | -40 | 0.65 | 0.90 | 1.10 | 2.3 | 3.2 | 4.0 | 1.5 | 2.0 | 2.5 |
| Partly_Cloudy | 5 | 30 | 86 | DIRT_ROAD | -30 | 0.75 | 1.00 | 1.25 | 2.7 | 3.6 | 4.5 | 1.7 | 2.2 | 2.8 |
| Partly_Cloudy | 5 | 30 | 86 | DIRT_ROAD | -20 | 0.90 | 1.15 | 1.40 | 3.2 | 4.1 | 5.0 | 2.0 | 2.6 | 3.1 |
| Partly_Cloudy | 5 | 30 | 86 | DIRT_ROAD | -15 | 0.95 | 1.25 | 1.50 | 3.4 | 4.5 | 5.4 | 2.1 | 2.8 | 3.4 |
| Partly_Cloudy | 5 | 30 | 86 | DIRT_ROAD | -10 | 1.05 | 1.35 | 1.60 | 3.8 | 4.9 | 5.8 | 2.4 | 3.0 | 3.6 |
| Partly_Cloudy | 5 | 30 | 86 | DIRT_ROAD | -5 | 1.15 | 1.45 | 1.70 | 4.1 | 5.2 | 6.1 | 2.6 | 3.2 | 3.8 |
| Partly_Cloudy | 5 | 30 | 86 | DIRT_ROAD | 0 | 1.25 | 1.55 | 1.85 | 4.5 | 5.6 | 6.7 | 2.8 | 3.5 | 4.1 |
| Partly_Cloudy | 5 | 30 | 86 | DIRT_ROAD | 5 | 0.80 | 1.10 | 1.35 | 2.9 | 4.0 | 4.9 | 1.8 | 2.5 | 3.0 |
| Partly_Cloudy | 5 | 30 | 86 | DIRT_ROAD | 10 | 0.55 | 0.75 | 1.00 | 2.0 | 2.7 | 3.6 | 1.2 | 1.7 | 2.2 |
| Partly_Cloudy | 5 | 30 | 86 | DIRT_ROAD | 15 | 0.40 | 0.60 | 0.80 | 1.4 | 2.2 | 2.9 | 0.9 | 1.3 | 1.8 |
| Partly_Cloudy | 5 | 30 | 86 | DIRT_ROAD | 20 | 0.30 | 0.45 | 0.60 | 1.1 | 1.6 | 2.2 | 0.7 | 1.0 | 1.3 |
| Partly_Cloudy | 5 | 30 | 86 | DIRT_ROAD | 30 | 0.20 | 0.30 | 0.45 | 0.7 | 1.1 | 1.6 | 0.4 | 0.7 | 1.0 |
| Partly_Cloudy | 5 | 30 | 86 | DIRT_ROAD | 40 | 0.15 | 0.25 | 0.35 | 0.5 | 0.9 | 1.3 | 0.3 | 0.6 | 0.8 |
| Partly_Cloudy | 5 | 30 | 86 | DIRT_ROAD | 50 | 0.10 | 0.20 | 0.25 | 0.4 | 0.7 | 0.9 | 0.2 | 0.4 | 0.6 |
| Partly_Cloudy | 5 | 30 | 86 | LOOSE_SAND | -50 | 0.30 | 0.45 | 0.60 | 1.1 | 1.6 | 2.2 | 0.7 | 1.0 | 1.3 |
| Partly_Cloudy | 5 | 30 | 86 | LOOSE_SAND | -40 | 0.35 | 0.50 | 0.70 | 1.3 | 1.8 | 2.5 | 0.8 | 1.1 | 1.6 |
| Partly_Cloudy | 5 | 30 | 86 | LOOSE_SAND | -30 | 0.45 | 0.60 | 0.80 | 1.6 | 2.2 | 2.9 | 1.0 | 1.3 | 1.8 |
| Partly_Cloudy | 5 | 30 | 86 | LOOSE_SAND | -20 | 0.55 | 0.75 | 0.95 | 2.0 | 2.7 | 3.4 | 1.2 | 1.7 | 2.1 |
| Partly_Cloudy | 5 | 30 | 86 | LOOSE_SAND | -15 | 0.60 | 0.80 | 1.00 | 2.2 | 2.9 | 3.6 | 1.3 | 1.8 | 2.2 |
| Partly_Cloudy | 5 | 30 | 86 | LOOSE_SAND | -10 | 0.70 | 0.90 | 1.10 | 2.5 | 3.2 | 4.0 | 1.6 | 2.0 | 2.5 |
| Partly_Cloudy | 5 | 30 | 86 | LOOSE_SAND | -5 | 0.80 | 1.00 | 1.20 | 2.9 | 3.6 | 4.3 | 1.8 | 2.2 | 2.7 |
| Partly_Cloudy | 5 | 30 | 86 | LOOSE_SAND | 0 | 0.90 | 1.10 | 1.30 | 3.2 | 4.0 | 4.7 | 2.0 | 2.5 | 2.9 |
| Partly_Cloudy | 5 | 30 | 86 | LOOSE_SAND | 5 | 0.50 | 0.70 | 0.85 | 1.8 | 2.5 | 3.1 | 1.1 | 1.6 | 1.9 |
| Partly_Cloudy | 5 | 30 | 86 | LOOSE_SAND | 10 | 0.30 | 0.45 | 0.60 | 1.1 | 1.6 | 2.2 | 0.7 | 1.0 | 1.3 |
| Partly_Cloudy | 5 | 30 | 86 | LOOSE_SAND | 15 | 0.20 | 0.30 | 0.45 | 0.7 | 1.1 | 1.6 | 0.4 | 0.7 | 1.0 |
| Partly_Cloudy | 5 | 30 | 86 | LOOSE_SAND | 20 | 0.15 | 0.25 | 0.35 | 0.5 | 0.9 | 1.3 | 0.3 | 0.6 | 0.8 |
| Partly_Cloudy | 5 | 30 | 86 | LOOSE_SAND | 30 | 0.10 | 0.15 | 0.20 | 0.4 | 0.5 | 0.7 | 0.2 | 0.3 | 0.4 |
| Partly_Cloudy | 5 | 30 | 86 | LOOSE_SAND | 40 | 0.05 | 0.10 | 0.15 | 0.2 | 0.4 | 0.5 | 0.1 | 0.2 | 0.3 |
| Partly_Cloudy | 5 | 30 | 86 | LOOSE_SAND | 50 | 0.05 | 0.10 | 0.15 | 0.2 | 0.4 | 0.5 | 0.1 | 0.2 | 0.3 |

Table G-7. Maximum Sustainable Speed, Partly Cloudy, 5% Humidity, 35°C (95°F)

| Cloud Cover | RH (%) | °C | °F | Terrain Type | Grade (%) | Max Sustainable Speed (meters/second) | | | Max Sustainable Speed (kilometers/hour) | | | Max Sustainable Speed (miles/hour) | | |
|---------------|--------|----|----|--------------|-----------|---------------------------------------|------|------|---|-----|------|------------------------------------|-----|------|
| | | | | | | Risk Level | | | Risk Level | | | Risk Level | | |
| | | | | | | Low | Mod | High | Low | Mod | High | Low | Mod | High |
| Partly_Cloudy | 5 | 35 | 95 | BLACK_TOP | -50 | 0.50 | 0.75 | 0.95 | 1.8 | 2.7 | 3.4 | 1.1 | 1.7 | 2.1 |
| Partly_Cloudy | 5 | 35 | 95 | BLACK_TOP | -40 | 0.60 | 0.85 | 1.05 | 2.2 | 3.1 | 3.8 | 1.3 | 1.9 | 2.4 |
| Partly_Cloudy | 5 | 35 | 95 | BLACK_TOP | -30 | 0.70 | 0.95 | 1.20 | 2.5 | 3.4 | 4.3 | 1.6 | 2.1 | 2.7 |
| Partly_Cloudy | 5 | 35 | 95 | BLACK_TOP | -20 | 0.80 | 1.10 | 1.35 | 2.9 | 4.0 | 4.9 | 1.8 | 2.5 | 3.0 |
| Partly_Cloudy | 5 | 35 | 95 | BLACK_TOP | -15 | 0.90 | 1.20 | 1.45 | 3.2 | 4.3 | 5.2 | 2.0 | 2.7 | 3.2 |
| Partly_Cloudy | 5 | 35 | 95 | BLACK_TOP | -10 | 1.00 | 1.30 | 1.55 | 3.6 | 4.7 | 5.6 | 2.2 | 2.9 | 3.5 |
| Partly_Cloudy | 5 | 35 | 95 | BLACK_TOP | -5 | 1.10 | 1.40 | 1.65 | 4.0 | 5.0 | 5.9 | 2.5 | 3.1 | 3.7 |
| Partly_Cloudy | 5 | 35 | 95 | BLACK_TOP | 0 | 1.20 | 1.50 | 1.75 | 4.3 | 5.4 | 6.3 | 2.7 | 3.4 | 3.9 |
| Partly_Cloudy | 5 | 35 | 95 | BLACK_TOP | 5 | 0.75 | 1.05 | 1.25 | 2.7 | 3.8 | 4.5 | 1.7 | 2.4 | 2.8 |
| Partly_Cloudy | 5 | 35 | 95 | BLACK_TOP | 10 | 0.50 | 0.75 | 0.95 | 1.8 | 2.7 | 3.4 | 1.1 | 1.7 | 2.1 |
| Partly_Cloudy | 5 | 35 | 95 | BLACK_TOP | 15 | 0.35 | 0.55 | 0.75 | 1.3 | 2.0 | 2.7 | 0.8 | 1.2 | 1.7 |
| Partly_Cloudy | 5 | 35 | 95 | BLACK_TOP | 20 | 0.30 | 0.45 | 0.60 | 1.1 | 1.6 | 2.2 | 0.7 | 1.0 | 1.3 |
| Partly_Cloudy | 5 | 35 | 95 | BLACK_TOP | 30 | 0.20 | 0.30 | 0.40 | 0.7 | 1.1 | 1.4 | 0.4 | 0.7 | 0.9 |
| Partly_Cloudy | 5 | 35 | 95 | BLACK_TOP | 40 | 0.15 | 0.20 | 0.30 | 0.5 | 0.7 | 1.1 | 0.3 | 0.4 | 0.7 |
| Partly_Cloudy | 5 | 35 | 95 | BLACK_TOP | 50 | 0.10 | 0.20 | 0.25 | 0.4 | 0.7 | 0.9 | 0.2 | 0.4 | 0.6 |
| Partly_Cloudy | 5 | 35 | 95 | DIRT_ROAD | -50 | 0.45 | 0.70 | 0.90 | 1.6 | 2.5 | 3.2 | 1.0 | 1.6 | 2.0 |
| Partly_Cloudy | 5 | 35 | 95 | DIRT_ROAD | -40 | 0.55 | 0.80 | 1.00 | 2.0 | 2.9 | 3.6 | 1.2 | 1.8 | 2.2 |
| Partly_Cloudy | 5 | 35 | 95 | DIRT_ROAD | -30 | 0.65 | 0.90 | 1.10 | 2.3 | 3.2 | 4.0 | 1.5 | 2.0 | 2.5 |
| Partly_Cloudy | 5 | 35 | 95 | DIRT_ROAD | -20 | 0.75 | 1.05 | 1.30 | 2.7 | 3.8 | 4.7 | 1.7 | 2.4 | 2.9 |
| Partly_Cloudy | 5 | 35 | 95 | DIRT_ROAD | -15 | 0.85 | 1.15 | 1.35 | 3.1 | 4.1 | 4.9 | 1.9 | 2.6 | 3.0 |
| Partly_Cloudy | 5 | 35 | 95 | DIRT_ROAD | -10 | 0.95 | 1.25 | 1.45 | 3.4 | 4.5 | 5.2 | 2.1 | 2.8 | 3.2 |
| Partly_Cloudy | 5 | 35 | 95 | DIRT_ROAD | -5 | 1.05 | 1.35 | 1.55 | 3.8 | 4.9 | 5.6 | 2.4 | 3.0 | 3.5 |
| Partly_Cloudy | 5 | 35 | 95 | DIRT_ROAD | 0 | 1.15 | 1.45 | 1.70 | 4.1 | 5.2 | 6.1 | 2.6 | 3.2 | 3.8 |
| Partly_Cloudy | 5 | 35 | 95 | DIRT_ROAD | 5 | 0.70 | 1.00 | 1.20 | 2.5 | 3.6 | 4.3 | 1.6 | 2.2 | 2.7 |
| Partly_Cloudy | 5 | 35 | 95 | DIRT_ROAD | 10 | 0.45 | 0.70 | 0.90 | 1.6 | 2.5 | 3.2 | 1.0 | 1.6 | 2.0 |
| Partly_Cloudy | 5 | 35 | 95 | DIRT_ROAD | 15 | 0.35 | 0.50 | 0.65 | 1.3 | 1.8 | 2.3 | 0.8 | 1.1 | 1.5 |
| Partly_Cloudy | 5 | 35 | 95 | DIRT_ROAD | 20 | 0.25 | 0.40 | 0.55 | 0.9 | 1.4 | 2.0 | 0.6 | 0.9 | 1.2 |
| Partly_Cloudy | 5 | 35 | 95 | DIRT_ROAD | 30 | 0.15 | 0.25 | 0.35 | 0.5 | 0.9 | 1.3 | 0.3 | 0.6 | 0.8 |
| Partly_Cloudy | 5 | 35 | 95 | DIRT_ROAD | 40 | 0.10 | 0.20 | 0.30 | 0.4 | 0.7 | 1.1 | 0.2 | 0.4 | 0.7 |
| Partly_Cloudy | 5 | 35 | 95 | DIRT_ROAD | 50 | 0.10 | 0.15 | 0.20 | 0.4 | 0.5 | 0.7 | 0.2 | 0.3 | 0.4 |
| Partly_Cloudy | 5 | 35 | 95 | LOOSE_SAND | -50 | 0.25 | 0.40 | 0.50 | 0.9 | 1.4 | 1.8 | 0.6 | 0.9 | 1.1 |
| Partly_Cloudy | 5 | 35 | 95 | LOOSE_SAND | -40 | 0.30 | 0.45 | 0.60 | 1.1 | 1.6 | 2.2 | 0.7 | 1.0 | 1.3 |
| Partly_Cloudy | 5 | 35 | 95 | LOOSE_SAND | -30 | 0.35 | 0.55 | 0.70 | 1.3 | 2.0 | 2.5 | 0.8 | 1.2 | 1.6 |
| Partly_Cloudy | 5 | 35 | 95 | LOOSE_SAND | -20 | 0.45 | 0.65 | 0.85 | 1.6 | 2.3 | 3.1 | 1.0 | 1.5 | 1.9 |
| Partly_Cloudy | 5 | 35 | 95 | LOOSE_SAND | -15 | 0.55 | 0.75 | 0.90 | 2.0 | 2.7 | 3.2 | 1.2 | 1.7 | 2.0 |
| Partly_Cloudy | 5 | 35 | 95 | LOOSE_SAND | -10 | 0.60 | 0.85 | 1.00 | 2.2 | 3.1 | 3.6 | 1.3 | 1.9 | 2.2 |
| Partly_Cloudy | 5 | 35 | 95 | LOOSE_SAND | -5 | 0.70 | 0.95 | 1.10 | 2.5 | 3.4 | 4.0 | 1.6 | 2.1 | 2.5 |
| Partly_Cloudy | 5 | 35 | 95 | LOOSE_SAND | 0 | 0.80 | 1.05 | 1.20 | 2.9 | 3.8 | 4.3 | 1.8 | 2.4 | 2.7 |
| Partly_Cloudy | 5 | 35 | 95 | LOOSE_SAND | 5 | 0.40 | 0.60 | 0.75 | 1.4 | 2.2 | 2.7 | 0.9 | 1.3 | 1.7 |
| Partly_Cloudy | 5 | 35 | 95 | LOOSE_SAND | 10 | 0.25 | 0.40 | 0.50 | 0.9 | 1.4 | 1.8 | 0.6 | 0.9 | 1.1 |
| Partly_Cloudy | 5 | 35 | 95 | LOOSE_SAND | 15 | 0.15 | 0.25 | 0.35 | 0.5 | 0.9 | 1.3 | 0.3 | 0.6 | 0.8 |
| Partly_Cloudy | 5 | 35 | 95 | LOOSE_SAND | 20 | 0.10 | 0.20 | 0.30 | 0.4 | 0.7 | 1.1 | 0.2 | 0.4 | 0.7 |
| Partly_Cloudy | 5 | 35 | 95 | LOOSE_SAND | 30 | 0.10 | 0.15 | 0.20 | 0.4 | 0.5 | 0.7 | 0.2 | 0.3 | 0.4 |
| Partly_Cloudy | 5 | 35 | 95 | LOOSE_SAND | 40 | 0.05 | 0.10 | 0.15 | 0.2 | 0.4 | 0.5 | 0.1 | 0.2 | 0.3 |
| Partly_Cloudy | 5 | 35 | 95 | LOOSE_SAND | 50 | 0.05 | 0.05 | 0.10 | 0.2 | 0.2 | 0.4 | 0.1 | 0.1 | 0.2 |

Table G-8. Maximum Sustainable Speed, Partly Cloudy, 25% Humidity, 5°C (41°F)

| Cloud Cover | RH (%) | °C | °F | Terrain Type | Grade (%) | Max Sustainable Speed (meters/second) | | | Max Sustainable Speed (kilometers/hour) | | | Max Sustainable Speed (miles/hour) | | |
|---------------|--------|----|----|--------------|-----------|---------------------------------------|------|------|---|-----|------|------------------------------------|-----|------|
| | | | | | | Risk Level | | | Risk Level | | | Risk Level | | |
| | | | | | | Low | Mod | High | Low | Mod | High | Low | Mod | High |
| Partly_Cloudy | 25 | 5 | 41 | BLACK_TOP | -50 | 1.00 | 1.25 | 1.60 | 3.6 | 4.5 | 5.8 | 2.2 | 2.8 | 3.6 |
| Partly_Cloudy | 25 | 5 | 41 | BLACK_TOP | -40 | 1.15 | 1.40 | 1.75 | 4.1 | 5.0 | 6.3 | 2.6 | 3.1 | 3.9 |
| Partly_Cloudy | 25 | 5 | 41 | BLACK_TOP | -30 | 1.30 | 1.55 | 1.90 | 4.7 | 5.6 | 6.8 | 2.9 | 3.5 | 4.3 |
| Partly_Cloudy | 25 | 5 | 41 | BLACK_TOP | -20 | 1.45 | 1.70 | 2.10 | 5.2 | 6.1 | 7.6 | 3.2 | 3.8 | 4.7 |
| Partly_Cloudy | 25 | 5 | 41 | BLACK_TOP | -15 | 1.55 | 1.80 | 2.20 | 5.6 | 6.5 | 7.9 | 3.5 | 4.0 | 4.9 |
| Partly_Cloudy | 25 | 5 | 41 | BLACK_TOP | -10 | 1.65 | 1.90 | 2.30 | 5.9 | 6.8 | 8.3 | 3.7 | 4.3 | 5.2 |
| Partly_Cloudy | 25 | 5 | 41 | BLACK_TOP | -5 | 1.75 | 2.00 | 2.40 | 6.3 | 7.2 | 8.6 | 3.9 | 4.5 | 5.4 |
| Partly_Cloudy | 25 | 5 | 41 | BLACK_TOP | 0 | 1.85 | 2.10 | 2.50 | 6.7 | 7.6 | 9.0 | 4.1 | 4.7 | 5.6 |
| Partly_Cloudy | 25 | 5 | 41 | BLACK_TOP | 5 | 1.35 | 1.60 | 2.00 | 4.9 | 5.8 | 7.2 | 3.0 | 3.6 | 4.5 |
| Partly_Cloudy | 25 | 5 | 41 | BLACK_TOP | 10 | 1.00 | 1.25 | 1.60 | 3.6 | 4.5 | 5.8 | 2.2 | 2.8 | 3.6 |
| Partly_Cloudy | 25 | 5 | 41 | BLACK_TOP | 15 | 0.80 | 1.00 | 1.30 | 2.9 | 3.6 | 4.7 | 1.8 | 2.2 | 2.9 |
| Partly_Cloudy | 25 | 5 | 41 | BLACK_TOP | 20 | 0.65 | 0.80 | 1.10 | 2.3 | 2.9 | 4.0 | 1.5 | 1.8 | 2.5 |
| Partly_Cloudy | 25 | 5 | 41 | BLACK_TOP | 30 | 0.45 | 0.60 | 0.80 | 1.6 | 2.2 | 2.9 | 1.0 | 1.3 | 1.8 |
| Partly_Cloudy | 25 | 5 | 41 | BLACK_TOP | 40 | 0.35 | 0.45 | 0.65 | 1.3 | 1.6 | 2.3 | 0.8 | 1.0 | 1.5 |
| Partly_Cloudy | 25 | 5 | 41 | BLACK_TOP | 50 | 0.25 | 0.35 | 0.50 | 0.9 | 1.3 | 1.8 | 0.6 | 0.8 | 1.1 |
| Partly_Cloudy | 25 | 5 | 41 | DIRT_ROAD | -50 | 0.95 | 1.15 | 1.50 | 3.4 | 4.1 | 5.4 | 2.1 | 2.6 | 3.4 |
| Partly_Cloudy | 25 | 5 | 41 | DIRT_ROAD | -40 | 1.05 | 1.30 | 1.65 | 3.8 | 4.7 | 5.9 | 2.4 | 2.9 | 3.7 |
| Partly_Cloudy | 25 | 5 | 41 | DIRT_ROAD | -30 | 1.20 | 1.45 | 1.80 | 4.3 | 5.2 | 6.5 | 2.7 | 3.2 | 4.0 |
| Partly_Cloudy | 25 | 5 | 41 | DIRT_ROAD | -20 | 1.35 | 1.60 | 2.00 | 4.9 | 5.8 | 7.2 | 3.0 | 3.6 | 4.5 |
| Partly_Cloudy | 25 | 5 | 41 | DIRT_ROAD | -15 | 1.45 | 1.70 | 2.10 | 5.2 | 6.1 | 7.6 | 3.2 | 3.8 | 4.7 |
| Partly_Cloudy | 25 | 5 | 41 | DIRT_ROAD | -10 | 1.55 | 1.80 | 2.20 | 5.6 | 6.5 | 7.9 | 3.5 | 4.0 | 4.9 |
| Partly_Cloudy | 25 | 5 | 41 | DIRT_ROAD | -5 | 1.65 | 1.90 | 2.30 | 5.9 | 6.8 | 8.3 | 3.7 | 4.3 | 5.2 |
| Partly_Cloudy | 25 | 5 | 41 | DIRT_ROAD | 0 | 1.75 | 2.00 | 2.40 | 6.3 | 7.2 | 8.6 | 3.9 | 4.5 | 5.4 |
| Partly_Cloudy | 25 | 5 | 41 | DIRT_ROAD | 5 | 1.25 | 1.50 | 1.90 | 4.5 | 5.4 | 6.8 | 2.8 | 3.4 | 4.3 |
| Partly_Cloudy | 25 | 5 | 41 | DIRT_ROAD | 10 | 0.95 | 1.15 | 1.50 | 3.4 | 4.1 | 5.4 | 2.1 | 2.6 | 3.4 |
| Partly_Cloudy | 25 | 5 | 41 | DIRT_ROAD | 15 | 0.75 | 0.90 | 1.20 | 2.7 | 3.2 | 4.3 | 1.7 | 2.0 | 2.7 |
| Partly_Cloudy | 25 | 5 | 41 | DIRT_ROAD | 20 | 0.60 | 0.75 | 1.00 | 2.2 | 2.7 | 3.6 | 1.3 | 1.7 | 2.2 |
| Partly_Cloudy | 25 | 5 | 41 | DIRT_ROAD | 30 | 0.40 | 0.55 | 0.75 | 1.4 | 2.0 | 2.7 | 0.9 | 1.2 | 1.7 |
| Partly_Cloudy | 25 | 5 | 41 | DIRT_ROAD | 40 | 0.30 | 0.40 | 0.55 | 1.1 | 1.4 | 2.0 | 0.7 | 0.9 | 1.2 |
| Partly_Cloudy | 25 | 5 | 41 | DIRT_ROAD | 50 | 0.25 | 0.30 | 0.45 | 0.9 | 1.1 | 1.6 | 0.6 | 0.7 | 1.0 |
| Partly_Cloudy | 25 | 5 | 41 | LOOSE_SAND | -50 | 0.55 | 0.70 | 0.90 | 2.0 | 2.5 | 3.2 | 1.2 | 1.6 | 2.0 |
| Partly_Cloudy | 25 | 5 | 41 | LOOSE_SAND | -40 | 0.65 | 0.80 | 1.05 | 2.3 | 2.9 | 3.8 | 1.5 | 1.8 | 2.4 |
| Partly_Cloudy | 25 | 5 | 41 | LOOSE_SAND | -30 | 0.75 | 0.90 | 1.15 | 2.7 | 3.2 | 4.1 | 1.7 | 2.0 | 2.6 |
| Partly_Cloudy | 25 | 5 | 41 | LOOSE_SAND | -20 | 0.90 | 1.05 | 1.35 | 3.2 | 3.8 | 4.9 | 2.0 | 2.4 | 3.0 |
| Partly_Cloudy | 25 | 5 | 41 | LOOSE_SAND | -15 | 0.95 | 1.15 | 1.40 | 3.4 | 4.1 | 5.0 | 2.1 | 2.6 | 3.1 |
| Partly_Cloudy | 25 | 5 | 41 | LOOSE_SAND | -10 | 1.05 | 1.25 | 1.50 | 3.8 | 4.5 | 5.4 | 2.4 | 2.8 | 3.4 |
| Partly_Cloudy | 25 | 5 | 41 | LOOSE_SAND | -5 | 1.15 | 1.35 | 1.60 | 4.1 | 4.9 | 5.8 | 2.6 | 3.0 | 3.6 |
| Partly_Cloudy | 25 | 5 | 41 | LOOSE_SAND | 0 | 1.25 | 1.45 | 1.75 | 4.5 | 5.2 | 6.3 | 2.8 | 3.2 | 3.9 |
| Partly_Cloudy | 25 | 5 | 41 | LOOSE_SAND | 5 | 0.80 | 1.00 | 1.25 | 2.9 | 3.6 | 4.5 | 1.8 | 2.2 | 2.8 |
| Partly_Cloudy | 25 | 5 | 41 | LOOSE_SAND | 10 | 0.55 | 0.70 | 0.90 | 2.0 | 2.5 | 3.2 | 1.2 | 1.6 | 2.0 |
| Partly_Cloudy | 25 | 5 | 41 | LOOSE_SAND | 15 | 0.40 | 0.50 | 0.70 | 1.4 | 1.8 | 2.5 | 0.9 | 1.1 | 1.6 |
| Partly_Cloudy | 25 | 5 | 41 | LOOSE_SAND | 20 | 0.30 | 0.40 | 0.55 | 1.1 | 1.4 | 2.0 | 0.7 | 0.9 | 1.2 |
| Partly_Cloudy | 25 | 5 | 41 | LOOSE_SAND | 30 | 0.20 | 0.30 | 0.40 | 0.7 | 1.1 | 1.4 | 0.4 | 0.7 | 0.9 |
| Partly_Cloudy | 25 | 5 | 41 | LOOSE_SAND | 40 | 0.15 | 0.20 | 0.30 | 0.5 | 0.7 | 1.1 | 0.3 | 0.4 | 0.7 |
| Partly_Cloudy | 25 | 5 | 41 | LOOSE_SAND | 50 | 0.10 | 0.15 | 0.25 | 0.4 | 0.5 | 0.9 | 0.2 | 0.3 | 0.6 |

Table G-9. Maximum Sustainable Speed, Partly Cloudy, 25% Humidity, 10°C (50°F)

| Cloud Cover | RH (%) | °C | °F | Terrain Type | Grade (%) | Max Sustainable Speed (meters/second) | | | Max Sustainable Speed (kilometers/hour) | | | Max Sustainable Speed (miles/hour) | | |
|---------------|--------|----|----|--------------|-----------|---------------------------------------|------|------|---|-----|------|------------------------------------|-----|------|
| | | | | | | Risk Level | | | Risk Level | | | Risk Level | | |
| | | | | | | Low | Mod | High | Low | Mod | High | Low | Mod | High |
| Partly_Cloudy | 25 | 10 | 50 | BLACK_TOP | -50 | 0.95 | 1.15 | 1.50 | 3.4 | 4.1 | 5.4 | 2.1 | 2.6 | 3.4 |
| Partly_Cloudy | 25 | 10 | 50 | BLACK_TOP | -40 | 1.05 | 1.30 | 1.65 | 3.8 | 4.7 | 5.9 | 2.4 | 2.9 | 3.7 |
| Partly_Cloudy | 25 | 10 | 50 | BLACK_TOP | -30 | 1.20 | 1.45 | 1.80 | 4.3 | 5.2 | 6.5 | 2.7 | 3.2 | 4.0 |
| Partly_Cloudy | 25 | 10 | 50 | BLACK_TOP | -20 | 1.35 | 1.60 | 2.00 | 4.9 | 5.8 | 7.2 | 3.0 | 3.6 | 4.5 |
| Partly_Cloudy | 25 | 10 | 50 | BLACK_TOP | -15 | 1.45 | 1.70 | 2.10 | 5.2 | 6.1 | 7.6 | 3.2 | 3.8 | 4.7 |
| Partly_Cloudy | 25 | 10 | 50 | BLACK_TOP | -10 | 1.55 | 1.80 | 2.20 | 5.6 | 6.5 | 7.9 | 3.5 | 4.0 | 4.9 |
| Partly_Cloudy | 25 | 10 | 50 | BLACK_TOP | -5 | 1.65 | 1.90 | 2.30 | 5.9 | 6.8 | 8.3 | 3.7 | 4.3 | 5.2 |
| Partly_Cloudy | 25 | 10 | 50 | BLACK_TOP | 0 | 1.75 | 2.00 | 2.40 | 6.3 | 7.2 | 8.6 | 3.9 | 4.5 | 5.4 |
| Partly_Cloudy | 25 | 10 | 50 | BLACK_TOP | 5 | 1.25 | 1.50 | 1.90 | 4.5 | 5.4 | 6.8 | 2.8 | 3.4 | 4.3 |
| Partly_Cloudy | 25 | 10 | 50 | BLACK_TOP | 10 | 0.95 | 1.15 | 1.50 | 3.4 | 4.1 | 5.4 | 2.1 | 2.6 | 3.4 |
| Partly_Cloudy | 25 | 10 | 50 | BLACK_TOP | 15 | 0.70 | 0.90 | 1.25 | 2.5 | 3.2 | 4.5 | 1.6 | 2.0 | 2.8 |
| Partly_Cloudy | 25 | 10 | 50 | BLACK_TOP | 20 | 0.55 | 0.75 | 1.00 | 2.0 | 2.7 | 3.6 | 1.2 | 1.7 | 2.2 |
| Partly_Cloudy | 25 | 10 | 50 | BLACK_TOP | 30 | 0.40 | 0.55 | 0.75 | 1.4 | 2.0 | 2.7 | 0.9 | 1.2 | 1.7 |
| Partly_Cloudy | 25 | 10 | 50 | BLACK_TOP | 40 | 0.30 | 0.40 | 0.60 | 1.1 | 1.4 | 2.2 | 0.7 | 0.9 | 1.3 |
| Partly_Cloudy | 25 | 10 | 50 | BLACK_TOP | 50 | 0.25 | 0.30 | 0.45 | 0.9 | 1.1 | 1.6 | 0.6 | 0.7 | 1.0 |
| Partly_Cloudy | 25 | 10 | 50 | DIRT_ROAD | -50 | 0.85 | 1.10 | 1.40 | 3.1 | 4.0 | 5.0 | 1.9 | 2.5 | 3.1 |
| Partly_Cloudy | 25 | 10 | 50 | DIRT_ROAD | -40 | 0.95 | 1.20 | 1.55 | 3.4 | 4.3 | 5.6 | 2.1 | 2.7 | 3.5 |
| Partly_Cloudy | 25 | 10 | 50 | DIRT_ROAD | -30 | 1.10 | 1.35 | 1.70 | 4.0 | 4.9 | 6.1 | 2.5 | 3.0 | 3.8 |
| Partly_Cloudy | 25 | 10 | 50 | DIRT_ROAD | -20 | 1.25 | 1.50 | 1.90 | 4.5 | 5.4 | 6.8 | 2.8 | 3.4 | 4.3 |
| Partly_Cloudy | 25 | 10 | 50 | DIRT_ROAD | -15 | 1.35 | 1.60 | 2.00 | 4.9 | 5.8 | 7.2 | 3.0 | 3.6 | 4.5 |
| Partly_Cloudy | 25 | 10 | 50 | DIRT_ROAD | -10 | 1.45 | 1.70 | 2.10 | 5.2 | 6.1 | 7.6 | 3.2 | 3.8 | 4.7 |
| Partly_Cloudy | 25 | 10 | 50 | DIRT_ROAD | -5 | 1.55 | 1.80 | 2.20 | 5.6 | 6.5 | 7.9 | 3.5 | 4.0 | 4.9 |
| Partly_Cloudy | 25 | 10 | 50 | DIRT_ROAD | 0 | 1.65 | 1.95 | 2.30 | 5.9 | 7.0 | 8.3 | 3.7 | 4.4 | 5.2 |
| Partly_Cloudy | 25 | 10 | 50 | DIRT_ROAD | 5 | 1.20 | 1.45 | 1.80 | 4.3 | 5.2 | 6.5 | 2.7 | 3.2 | 4.0 |
| Partly_Cloudy | 25 | 10 | 50 | DIRT_ROAD | 10 | 0.85 | 1.10 | 1.40 | 3.1 | 4.0 | 5.0 | 1.9 | 2.5 | 3.1 |
| Partly_Cloudy | 25 | 10 | 50 | DIRT_ROAD | 15 | 0.65 | 0.85 | 1.15 | 2.3 | 3.1 | 4.1 | 1.5 | 1.9 | 2.6 |
| Partly_Cloudy | 25 | 10 | 50 | DIRT_ROAD | 20 | 0.50 | 0.70 | 0.95 | 1.8 | 2.5 | 3.4 | 1.1 | 1.6 | 2.1 |
| Partly_Cloudy | 25 | 10 | 50 | DIRT_ROAD | 30 | 0.35 | 0.50 | 0.70 | 1.3 | 1.8 | 2.5 | 0.8 | 1.1 | 1.6 |
| Partly_Cloudy | 25 | 10 | 50 | DIRT_ROAD | 40 | 0.25 | 0.35 | 0.55 | 0.9 | 1.3 | 2.0 | 0.6 | 0.8 | 1.2 |
| Partly_Cloudy | 25 | 10 | 50 | DIRT_ROAD | 50 | 0.20 | 0.30 | 0.40 | 0.7 | 1.1 | 1.4 | 0.4 | 0.7 | 0.9 |
| Partly_Cloudy | 25 | 10 | 50 | LOOSE_SAND | -50 | 0.50 | 0.65 | 0.85 | 1.8 | 2.3 | 3.1 | 1.1 | 1.5 | 1.9 |
| Partly_Cloudy | 25 | 10 | 50 | LOOSE_SAND | -40 | 0.60 | 0.75 | 0.95 | 2.2 | 2.7 | 3.4 | 1.3 | 1.7 | 2.1 |
| Partly_Cloudy | 25 | 10 | 50 | LOOSE_SAND | -30 | 0.70 | 0.85 | 1.10 | 2.5 | 3.1 | 4.0 | 1.6 | 1.9 | 2.5 |
| Partly_Cloudy | 25 | 10 | 50 | LOOSE_SAND | -20 | 0.80 | 1.00 | 1.25 | 2.9 | 3.6 | 4.5 | 1.8 | 2.2 | 2.8 |
| Partly_Cloudy | 25 | 10 | 50 | LOOSE_SAND | -15 | 0.90 | 1.10 | 1.35 | 3.2 | 4.0 | 4.9 | 2.0 | 2.5 | 3.0 |
| Partly_Cloudy | 25 | 10 | 50 | LOOSE_SAND | -10 | 1.00 | 1.20 | 1.45 | 3.6 | 4.3 | 5.2 | 2.2 | 2.7 | 3.2 |
| Partly_Cloudy | 25 | 10 | 50 | LOOSE_SAND | -5 | 1.10 | 1.30 | 1.55 | 4.0 | 4.7 | 5.6 | 2.5 | 2.9 | 3.5 |
| Partly_Cloudy | 25 | 10 | 50 | LOOSE_SAND | 0 | 1.20 | 1.40 | 1.65 | 4.3 | 5.0 | 5.9 | 2.7 | 3.1 | 3.7 |
| Partly_Cloudy | 25 | 10 | 50 | LOOSE_SAND | 5 | 0.75 | 0.90 | 1.20 | 2.7 | 3.2 | 4.3 | 1.7 | 2.0 | 2.7 |
| Partly_Cloudy | 25 | 10 | 50 | LOOSE_SAND | 10 | 0.50 | 0.65 | 0.85 | 1.8 | 2.3 | 3.1 | 1.1 | 1.5 | 1.9 |
| Partly_Cloudy | 25 | 10 | 50 | LOOSE_SAND | 15 | 0.35 | 0.50 | 0.65 | 1.3 | 1.8 | 2.3 | 0.8 | 1.1 | 1.5 |
| Partly_Cloudy | 25 | 10 | 50 | LOOSE_SAND | 20 | 0.30 | 0.35 | 0.50 | 1.1 | 1.3 | 1.8 | 0.7 | 0.8 | 1.1 |
| Partly_Cloudy | 25 | 10 | 50 | LOOSE_SAND | 30 | 0.20 | 0.25 | 0.35 | 0.7 | 0.9 | 1.3 | 0.4 | 0.6 | 0.8 |
| Partly_Cloudy | 25 | 10 | 50 | LOOSE_SAND | 40 | 0.15 | 0.20 | 0.25 | 0.5 | 0.7 | 0.9 | 0.3 | 0.4 | 0.6 |
| Partly_Cloudy | 25 | 10 | 50 | LOOSE_SAND | 50 | 0.10 | 0.15 | 0.20 | 0.4 | 0.5 | 0.7 | 0.2 | 0.3 | 0.4 |

Table G-10. Maximum Sustainable Speed, Partly Cloudy, 25% Humidity, 15°C (59°F)

| Cloud Cover | RH (%) | °C | °F | Terrain Type | Grade (%) | Max Sustainable Speed (meters/second) | | | Max Sustainable Speed (kilometers/hour) | | | Max Sustainable Speed (miles/hour) | | |
|---------------|--------|----|----|--------------|-----------|---------------------------------------|------|------|---|-----|------|------------------------------------|-----|------|
| | | | | | | Risk Level | | | Risk Level | | | Risk Level | | |
| | | | | | | Low | Mod | High | Low | Mod | High | Low | Mod | High |
| Partly_Cloudy | 25 | 15 | 59 | BLACK_TOP | -50 | 0.85 | 1.10 | 1.40 | 3.1 | 4.0 | 5.0 | 1.9 | 2.5 | 3.1 |
| Partly_Cloudy | 25 | 15 | 59 | BLACK_TOP | -40 | 0.95 | 1.20 | 1.50 | 3.4 | 4.3 | 5.4 | 2.1 | 2.7 | 3.4 |
| Partly_Cloudy | 25 | 15 | 59 | BLACK_TOP | -30 | 1.10 | 1.35 | 1.70 | 4.0 | 4.9 | 6.1 | 2.5 | 3.0 | 3.8 |
| Partly_Cloudy | 25 | 15 | 59 | BLACK_TOP | -20 | 1.25 | 1.50 | 1.85 | 4.5 | 5.4 | 6.7 | 2.8 | 3.4 | 4.1 |
| Partly_Cloudy | 25 | 15 | 59 | BLACK_TOP | -15 | 1.35 | 1.60 | 1.95 | 4.9 | 5.8 | 7.0 | 3.0 | 3.6 | 4.4 |
| Partly_Cloudy | 25 | 15 | 59 | BLACK_TOP | -10 | 1.45 | 1.70 | 2.05 | 5.2 | 6.1 | 7.4 | 3.2 | 3.8 | 4.6 |
| Partly_Cloudy | 25 | 15 | 59 | BLACK_TOP | -5 | 1.55 | 1.80 | 2.15 | 5.6 | 6.5 | 7.7 | 3.5 | 4.0 | 4.8 |
| Partly_Cloudy | 25 | 15 | 59 | BLACK_TOP | 0 | 1.65 | 1.90 | 2.25 | 5.9 | 6.8 | 8.1 | 3.7 | 4.3 | 5.0 |
| Partly_Cloudy | 25 | 15 | 59 | BLACK_TOP | 5 | 1.15 | 1.45 | 1.75 | 4.1 | 5.2 | 6.3 | 2.6 | 3.2 | 3.9 |
| Partly_Cloudy | 25 | 15 | 59 | BLACK_TOP | 10 | 0.85 | 1.10 | 1.40 | 3.1 | 4.0 | 5.0 | 1.9 | 2.5 | 3.1 |
| Partly_Cloudy | 25 | 15 | 59 | BLACK_TOP | 15 | 0.65 | 0.85 | 1.10 | 2.3 | 3.1 | 4.0 | 1.5 | 1.9 | 2.5 |
| Partly_Cloudy | 25 | 15 | 59 | BLACK_TOP | 20 | 0.50 | 0.70 | 0.90 | 1.8 | 2.5 | 3.2 | 1.1 | 1.6 | 2.0 |
| Partly_Cloudy | 25 | 15 | 59 | BLACK_TOP | 30 | 0.35 | 0.50 | 0.65 | 1.3 | 1.8 | 2.3 | 0.8 | 1.1 | 1.5 |
| Partly_Cloudy | 25 | 15 | 59 | BLACK_TOP | 40 | 0.25 | 0.35 | 0.50 | 0.9 | 1.3 | 1.8 | 0.6 | 0.8 | 1.1 |
| Partly_Cloudy | 25 | 15 | 59 | BLACK_TOP | 50 | 0.20 | 0.30 | 0.40 | 0.7 | 1.1 | 1.4 | 0.4 | 0.7 | 0.9 |
| Partly_Cloudy | 25 | 15 | 59 | DIRT_ROAD | -50 | 0.80 | 1.00 | 1.30 | 2.9 | 3.6 | 4.7 | 1.8 | 2.2 | 2.9 |
| Partly_Cloudy | 25 | 15 | 59 | DIRT_ROAD | -40 | 0.90 | 1.10 | 1.40 | 3.2 | 4.0 | 5.0 | 2.0 | 2.5 | 3.1 |
| Partly_Cloudy | 25 | 15 | 59 | DIRT_ROAD | -30 | 1.00 | 1.25 | 1.60 | 3.6 | 4.5 | 5.8 | 2.2 | 2.8 | 3.6 |
| Partly_Cloudy | 25 | 15 | 59 | DIRT_ROAD | -20 | 1.15 | 1.40 | 1.75 | 4.1 | 5.0 | 6.3 | 2.6 | 3.1 | 3.9 |
| Partly_Cloudy | 25 | 15 | 59 | DIRT_ROAD | -15 | 1.25 | 1.50 | 1.85 | 4.5 | 5.4 | 6.7 | 2.8 | 3.4 | 4.1 |
| Partly_Cloudy | 25 | 15 | 59 | DIRT_ROAD | -10 | 1.35 | 1.60 | 1.95 | 4.9 | 5.8 | 7.0 | 3.0 | 3.6 | 4.4 |
| Partly_Cloudy | 25 | 15 | 59 | DIRT_ROAD | -5 | 1.45 | 1.70 | 2.05 | 5.2 | 6.1 | 7.4 | 3.2 | 3.8 | 4.6 |
| Partly_Cloudy | 25 | 15 | 59 | DIRT_ROAD | 0 | 1.55 | 1.85 | 2.15 | 5.6 | 6.7 | 7.7 | 3.5 | 4.1 | 4.8 |
| Partly_Cloudy | 25 | 15 | 59 | DIRT_ROAD | 5 | 1.10 | 1.35 | 1.65 | 4.0 | 4.9 | 5.9 | 2.5 | 3.0 | 3.7 |
| Partly_Cloudy | 25 | 15 | 59 | DIRT_ROAD | 10 | 0.80 | 1.00 | 1.30 | 2.9 | 3.6 | 4.7 | 1.8 | 2.2 | 2.9 |
| Partly_Cloudy | 25 | 15 | 59 | DIRT_ROAD | 15 | 0.60 | 0.80 | 1.05 | 2.2 | 2.9 | 3.8 | 1.3 | 1.8 | 2.4 |
| Partly_Cloudy | 25 | 15 | 59 | DIRT_ROAD | 20 | 0.45 | 0.60 | 0.85 | 1.6 | 2.2 | 3.1 | 1.0 | 1.3 | 1.9 |
| Partly_Cloudy | 25 | 15 | 59 | DIRT_ROAD | 30 | 0.30 | 0.45 | 0.60 | 1.1 | 1.6 | 2.2 | 0.7 | 1.0 | 1.3 |
| Partly_Cloudy | 25 | 15 | 59 | DIRT_ROAD | 40 | 0.25 | 0.35 | 0.45 | 0.9 | 1.3 | 1.6 | 0.6 | 0.8 | 1.0 |
| Partly_Cloudy | 25 | 15 | 59 | DIRT_ROAD | 50 | 0.20 | 0.25 | 0.35 | 0.7 | 0.9 | 1.3 | 0.4 | 0.6 | 0.8 |
| Partly_Cloudy | 25 | 15 | 59 | LOOSE_SAND | -50 | 0.45 | 0.60 | 0.80 | 1.6 | 2.2 | 2.9 | 1.0 | 1.3 | 1.8 |
| Partly_Cloudy | 25 | 15 | 59 | LOOSE_SAND | -40 | 0.50 | 0.70 | 0.90 | 1.8 | 2.5 | 3.2 | 1.1 | 1.6 | 2.0 |
| Partly_Cloudy | 25 | 15 | 59 | LOOSE_SAND | -30 | 0.60 | 0.80 | 1.00 | 2.2 | 2.9 | 3.6 | 1.3 | 1.8 | 2.2 |
| Partly_Cloudy | 25 | 15 | 59 | LOOSE_SAND | -20 | 0.75 | 0.95 | 1.15 | 2.7 | 3.4 | 4.1 | 1.7 | 2.1 | 2.6 |
| Partly_Cloudy | 25 | 15 | 59 | LOOSE_SAND | -15 | 0.85 | 1.00 | 1.25 | 3.1 | 3.6 | 4.5 | 1.9 | 2.2 | 2.8 |
| Partly_Cloudy | 25 | 15 | 59 | LOOSE_SAND | -10 | 0.90 | 1.10 | 1.35 | 3.2 | 4.0 | 4.9 | 2.0 | 2.5 | 3.0 |
| Partly_Cloudy | 25 | 15 | 59 | LOOSE_SAND | -5 | 1.00 | 1.20 | 1.45 | 3.6 | 4.3 | 5.2 | 2.2 | 2.7 | 3.2 |
| Partly_Cloudy | 25 | 15 | 59 | LOOSE_SAND | 0 | 1.15 | 1.30 | 1.55 | 4.1 | 4.7 | 5.6 | 2.6 | 2.9 | 3.5 |
| Partly_Cloudy | 25 | 15 | 59 | LOOSE_SAND | 5 | 0.70 | 0.85 | 1.10 | 2.5 | 3.1 | 4.0 | 1.6 | 1.9 | 2.5 |
| Partly_Cloudy | 25 | 15 | 59 | LOOSE_SAND | 10 | 0.45 | 0.60 | 0.80 | 1.6 | 2.2 | 2.9 | 1.0 | 1.3 | 1.8 |
| Partly_Cloudy | 25 | 15 | 59 | LOOSE_SAND | 15 | 0.30 | 0.45 | 0.60 | 1.1 | 1.6 | 2.2 | 0.7 | 1.0 | 1.3 |
| Partly_Cloudy | 25 | 15 | 59 | LOOSE_SAND | 20 | 0.25 | 0.35 | 0.45 | 0.9 | 1.3 | 1.6 | 0.6 | 0.8 | 1.0 |
| Partly_Cloudy | 25 | 15 | 59 | LOOSE_SAND | 30 | 0.15 | 0.20 | 0.30 | 0.5 | 0.7 | 1.1 | 0.3 | 0.4 | 0.7 |
| Partly_Cloudy | 25 | 15 | 59 | LOOSE_SAND | 40 | 0.10 | 0.15 | 0.25 | 0.4 | 0.5 | 0.9 | 0.2 | 0.3 | 0.6 |
| Partly_Cloudy | 25 | 15 | 59 | LOOSE_SAND | 50 | 0.10 | 0.15 | 0.20 | 0.4 | 0.5 | 0.7 | 0.2 | 0.3 | 0.4 |

Table G-11. Maximum Sustainable Speed, Partly Cloudy, 25% Humidity, 20°C (68°F)

| Cloud Cover | RH (%) | °C | °F | Terrain Type | Grade (%) | Max Sustainable Speed (meters/second) | | | Max Sustainable Speed (kilometers/hour) | | | Max Sustainable Speed (miles/hour) | | |
|---------------|--------|----|----|--------------|-----------|---------------------------------------|------|------|---|-----|------|------------------------------------|-----|------|
| | | | | | | Risk Level | | | Risk Level | | | Risk Level | | |
| | | | | | | Low | Mod | High | Low | Mod | High | Low | Mod | High |
| Partly_Cloudy | 25 | 20 | 68 | BLACK_TOP | -50 | 0.75 | 1.00 | 1.25 | 2.7 | 3.6 | 4.5 | 1.7 | 2.2 | 2.8 |
| Partly_Cloudy | 25 | 20 | 68 | BLACK_TOP | -40 | 0.85 | 1.10 | 1.35 | 3.1 | 4.0 | 4.9 | 1.9 | 2.5 | 3.0 |
| Partly_Cloudy | 25 | 20 | 68 | BLACK_TOP | -30 | 1.00 | 1.25 | 1.50 | 3.6 | 4.5 | 5.4 | 2.2 | 2.8 | 3.4 |
| Partly_Cloudy | 25 | 20 | 68 | BLACK_TOP | -20 | 1.15 | 1.40 | 1.70 | 4.1 | 5.0 | 6.1 | 2.6 | 3.1 | 3.8 |
| Partly_Cloudy | 25 | 20 | 68 | BLACK_TOP | -15 | 1.20 | 1.50 | 1.80 | 4.3 | 5.4 | 6.5 | 2.7 | 3.4 | 4.0 |
| Partly_Cloudy | 25 | 20 | 68 | BLACK_TOP | -10 | 1.30 | 1.60 | 1.90 | 4.7 | 5.8 | 6.8 | 2.9 | 3.6 | 4.3 |
| Partly_Cloudy | 25 | 20 | 68 | BLACK_TOP | -5 | 1.40 | 1.70 | 2.00 | 5.0 | 6.1 | 7.2 | 3.1 | 3.8 | 4.5 |
| Partly_Cloudy | 25 | 20 | 68 | BLACK_TOP | 0 | 1.55 | 1.80 | 2.10 | 5.6 | 6.5 | 7.6 | 3.5 | 4.0 | 4.7 |
| Partly_Cloudy | 25 | 20 | 68 | BLACK_TOP | 5 | 1.05 | 1.35 | 1.60 | 3.8 | 4.9 | 5.8 | 2.4 | 3.0 | 3.6 |
| Partly_Cloudy | 25 | 20 | 68 | BLACK_TOP | 10 | 0.75 | 1.00 | 1.25 | 2.7 | 3.6 | 4.5 | 1.7 | 2.2 | 2.8 |
| Partly_Cloudy | 25 | 20 | 68 | BLACK_TOP | 15 | 0.55 | 0.75 | 1.00 | 2.0 | 2.7 | 3.6 | 1.2 | 1.7 | 2.2 |
| Partly_Cloudy | 25 | 20 | 68 | BLACK_TOP | 20 | 0.45 | 0.60 | 0.80 | 1.6 | 2.2 | 2.9 | 1.0 | 1.3 | 1.8 |
| Partly_Cloudy | 25 | 20 | 68 | BLACK_TOP | 30 | 0.30 | 0.45 | 0.55 | 1.1 | 1.6 | 2.0 | 0.7 | 1.0 | 1.2 |
| Partly_Cloudy | 25 | 20 | 68 | BLACK_TOP | 40 | 0.25 | 0.35 | 0.45 | 0.9 | 1.3 | 1.6 | 0.6 | 0.8 | 1.0 |
| Partly_Cloudy | 25 | 20 | 68 | BLACK_TOP | 50 | 0.20 | 0.25 | 0.35 | 0.7 | 0.9 | 1.3 | 0.4 | 0.6 | 0.8 |
| Partly_Cloudy | 25 | 20 | 68 | DIRT_ROAD | -50 | 0.70 | 0.90 | 1.15 | 2.5 | 3.2 | 4.1 | 1.6 | 2.0 | 2.6 |
| Partly_Cloudy | 25 | 20 | 68 | DIRT_ROAD | -40 | 0.80 | 1.05 | 1.30 | 2.9 | 3.8 | 4.7 | 1.8 | 2.4 | 2.9 |
| Partly_Cloudy | 25 | 20 | 68 | DIRT_ROAD | -30 | 0.90 | 1.15 | 1.45 | 3.2 | 4.1 | 5.2 | 2.0 | 2.6 | 3.2 |
| Partly_Cloudy | 25 | 20 | 68 | DIRT_ROAD | -20 | 1.05 | 1.35 | 1.60 | 3.8 | 4.9 | 5.8 | 2.4 | 3.0 | 3.6 |
| Partly_Cloudy | 25 | 20 | 68 | DIRT_ROAD | -15 | 1.15 | 1.40 | 1.70 | 4.1 | 5.0 | 6.1 | 2.6 | 3.1 | 3.8 |
| Partly_Cloudy | 25 | 20 | 68 | DIRT_ROAD | -10 | 1.25 | 1.50 | 1.80 | 4.5 | 5.4 | 6.5 | 2.8 | 3.4 | 4.0 |
| Partly_Cloudy | 25 | 20 | 68 | DIRT_ROAD | -5 | 1.35 | 1.60 | 1.90 | 4.9 | 5.8 | 6.8 | 3.0 | 3.6 | 4.3 |
| Partly_Cloudy | 25 | 20 | 68 | DIRT_ROAD | 0 | 1.45 | 1.75 | 2.00 | 5.2 | 6.3 | 7.2 | 3.2 | 3.9 | 4.5 |
| Partly_Cloudy | 25 | 20 | 68 | DIRT_ROAD | 5 | 1.00 | 1.25 | 1.50 | 3.6 | 4.5 | 5.4 | 2.2 | 2.8 | 3.4 |
| Partly_Cloudy | 25 | 20 | 68 | DIRT_ROAD | 10 | 0.70 | 0.90 | 1.15 | 2.5 | 3.2 | 4.1 | 1.6 | 2.0 | 2.6 |
| Partly_Cloudy | 25 | 20 | 68 | DIRT_ROAD | 15 | 0.50 | 0.70 | 0.90 | 1.8 | 2.5 | 3.2 | 1.1 | 1.6 | 2.0 |
| Partly_Cloudy | 25 | 20 | 68 | DIRT_ROAD | 20 | 0.40 | 0.55 | 0.75 | 1.4 | 2.0 | 2.7 | 0.9 | 1.2 | 1.7 |
| Partly_Cloudy | 25 | 20 | 68 | DIRT_ROAD | 30 | 0.30 | 0.40 | 0.50 | 1.1 | 1.4 | 1.8 | 0.7 | 0.9 | 1.1 |
| Partly_Cloudy | 25 | 20 | 68 | DIRT_ROAD | 40 | 0.20 | 0.30 | 0.40 | 0.7 | 1.1 | 1.4 | 0.4 | 0.7 | 0.9 |
| Partly_Cloudy | 25 | 20 | 68 | DIRT_ROAD | 50 | 0.15 | 0.25 | 0.30 | 0.5 | 0.9 | 1.1 | 0.3 | 0.6 | 0.7 |
| Partly_Cloudy | 25 | 20 | 68 | LOOSE_SAND | -50 | 0.40 | 0.55 | 0.70 | 1.4 | 2.0 | 2.5 | 0.9 | 1.2 | 1.6 |
| Partly_Cloudy | 25 | 20 | 68 | LOOSE_SAND | -40 | 0.45 | 0.60 | 0.80 | 1.6 | 2.2 | 2.9 | 1.0 | 1.3 | 1.8 |
| Partly_Cloudy | 25 | 20 | 68 | LOOSE_SAND | -30 | 0.55 | 0.75 | 0.90 | 2.0 | 2.7 | 3.2 | 1.2 | 1.7 | 2.0 |
| Partly_Cloudy | 25 | 20 | 68 | LOOSE_SAND | -20 | 0.70 | 0.85 | 1.05 | 2.5 | 3.1 | 3.8 | 1.6 | 1.9 | 2.4 |
| Partly_Cloudy | 25 | 20 | 68 | LOOSE_SAND | -15 | 0.75 | 0.95 | 1.15 | 2.7 | 3.4 | 4.1 | 1.7 | 2.1 | 2.6 |
| Partly_Cloudy | 25 | 20 | 68 | LOOSE_SAND | -10 | 0.85 | 1.05 | 1.25 | 3.1 | 3.8 | 4.5 | 1.9 | 2.4 | 2.8 |
| Partly_Cloudy | 25 | 20 | 68 | LOOSE_SAND | -5 | 0.95 | 1.15 | 1.35 | 3.4 | 4.1 | 4.9 | 2.1 | 2.6 | 3.0 |
| Partly_Cloudy | 25 | 20 | 68 | LOOSE_SAND | 0 | 1.05 | 1.25 | 1.45 | 3.8 | 4.5 | 5.2 | 2.4 | 2.8 | 3.2 |
| Partly_Cloudy | 25 | 20 | 68 | LOOSE_SAND | 5 | 0.60 | 0.80 | 1.00 | 2.2 | 2.9 | 3.6 | 1.3 | 1.8 | 2.2 |
| Partly_Cloudy | 25 | 20 | 68 | LOOSE_SAND | 10 | 0.40 | 0.55 | 0.70 | 1.4 | 2.0 | 2.5 | 0.9 | 1.2 | 1.6 |
| Partly_Cloudy | 25 | 20 | 68 | LOOSE_SAND | 15 | 0.30 | 0.40 | 0.50 | 1.1 | 1.4 | 1.8 | 0.7 | 0.9 | 1.1 |
| Partly_Cloudy | 25 | 20 | 68 | LOOSE_SAND | 20 | 0.20 | 0.30 | 0.40 | 0.7 | 1.1 | 1.4 | 0.4 | 0.7 | 0.9 |
| Partly_Cloudy | 25 | 20 | 68 | LOOSE_SAND | 30 | 0.15 | 0.20 | 0.25 | 0.5 | 0.7 | 0.9 | 0.3 | 0.4 | 0.6 |
| Partly_Cloudy | 25 | 20 | 68 | LOOSE_SAND | 40 | 0.10 | 0.15 | 0.20 | 0.4 | 0.5 | 0.7 | 0.2 | 0.3 | 0.4 |
| Partly_Cloudy | 25 | 20 | 68 | LOOSE_SAND | 50 | 0.05 | 0.10 | 0.15 | 0.2 | 0.4 | 0.5 | 0.1 | 0.2 | 0.3 |

Table G-12. Maximum Sustainable Speed, Partly Cloudy, 25% Humidity, 25°C (77°F)

| Cloud Cover | RH (%) | °C | °F | Terrain Type | Grade (%) | Max Sustainable Speed (meters/second) | | | Max Sustainable Speed (kilometers/hour) | | | Max Sustainable Speed (miles/hour) | | |
|---------------|--------|----|----|--------------|-----------|---------------------------------------|------|------|---|-----|------|------------------------------------|-----|------|
| | | | | | | Risk Level | | | Risk Level | | | Risk Level | | |
| | | | | | | Low | Mod | High | Low | Mod | High | Low | Mod | High |
| Partly_Cloudy | 25 | 25 | 77 | BLACK_TOP | -50 | 0.65 | 0.90 | 1.10 | 2.3 | 3.2 | 4.0 | 1.5 | 2.0 | 2.5 |
| Partly_Cloudy | 25 | 25 | 77 | BLACK_TOP | -40 | 0.75 | 1.00 | 1.20 | 2.7 | 3.6 | 4.3 | 1.7 | 2.2 | 2.7 |
| Partly_Cloudy | 25 | 25 | 77 | BLACK_TOP | -30 | 0.90 | 1.15 | 1.35 | 3.2 | 4.1 | 4.9 | 2.0 | 2.6 | 3.0 |
| Partly_Cloudy | 25 | 25 | 77 | BLACK_TOP | -20 | 1.00 | 1.30 | 1.50 | 3.6 | 4.7 | 5.4 | 2.2 | 2.9 | 3.4 |
| Partly_Cloudy | 25 | 25 | 77 | BLACK_TOP | -15 | 1.10 | 1.40 | 1.60 | 4.0 | 5.0 | 5.8 | 2.5 | 3.1 | 3.6 |
| Partly_Cloudy | 25 | 25 | 77 | BLACK_TOP | -10 | 1.20 | 1.50 | 1.70 | 4.3 | 5.4 | 6.1 | 2.7 | 3.4 | 3.8 |
| Partly_Cloudy | 25 | 25 | 77 | BLACK_TOP | -5 | 1.30 | 1.60 | 1.80 | 4.7 | 5.8 | 6.5 | 2.9 | 3.6 | 4.0 |
| Partly_Cloudy | 25 | 25 | 77 | BLACK_TOP | 0 | 1.40 | 1.70 | 1.95 | 5.0 | 6.1 | 7.0 | 3.1 | 3.8 | 4.4 |
| Partly_Cloudy | 25 | 25 | 77 | BLACK_TOP | 5 | 0.95 | 1.20 | 1.45 | 3.4 | 4.3 | 5.2 | 2.1 | 2.7 | 3.2 |
| Partly_Cloudy | 25 | 25 | 77 | BLACK_TOP | 10 | 0.65 | 0.90 | 1.10 | 2.3 | 3.2 | 4.0 | 1.5 | 2.0 | 2.5 |
| Partly_Cloudy | 25 | 25 | 77 | BLACK_TOP | 15 | 0.50 | 0.70 | 0.85 | 1.8 | 2.5 | 3.1 | 1.1 | 1.6 | 1.9 |
| Partly_Cloudy | 25 | 25 | 77 | BLACK_TOP | 20 | 0.40 | 0.55 | 0.70 | 1.4 | 2.0 | 2.5 | 0.9 | 1.2 | 1.6 |
| Partly_Cloudy | 25 | 25 | 77 | BLACK_TOP | 30 | 0.25 | 0.40 | 0.50 | 0.9 | 1.4 | 1.8 | 0.6 | 0.9 | 1.1 |
| Partly_Cloudy | 25 | 25 | 77 | BLACK_TOP | 40 | 0.20 | 0.30 | 0.35 | 0.7 | 1.1 | 1.3 | 0.4 | 0.7 | 0.8 |
| Partly_Cloudy | 25 | 25 | 77 | BLACK_TOP | 50 | 0.15 | 0.25 | 0.30 | 0.5 | 0.9 | 1.1 | 0.3 | 0.6 | 0.7 |
| Partly_Cloudy | 25 | 25 | 77 | DIRT_ROAD | -50 | 0.60 | 0.85 | 1.00 | 2.2 | 3.1 | 3.6 | 1.3 | 1.9 | 2.2 |
| Partly_Cloudy | 25 | 25 | 77 | DIRT_ROAD | -40 | 0.70 | 0.95 | 1.15 | 2.5 | 3.4 | 4.1 | 1.6 | 2.1 | 2.6 |
| Partly_Cloudy | 25 | 25 | 77 | DIRT_ROAD | -30 | 0.80 | 1.05 | 1.25 | 2.9 | 3.8 | 4.5 | 1.8 | 2.4 | 2.8 |
| Partly_Cloudy | 25 | 25 | 77 | DIRT_ROAD | -20 | 0.95 | 1.25 | 1.45 | 3.4 | 4.5 | 5.2 | 2.1 | 2.8 | 3.2 |
| Partly_Cloudy | 25 | 25 | 77 | DIRT_ROAD | -15 | 1.05 | 1.30 | 1.50 | 3.8 | 4.7 | 5.4 | 2.4 | 2.9 | 3.4 |
| Partly_Cloudy | 25 | 25 | 77 | DIRT_ROAD | -10 | 1.15 | 1.40 | 1.60 | 4.1 | 5.0 | 5.8 | 2.6 | 3.1 | 3.6 |
| Partly_Cloudy | 25 | 25 | 77 | DIRT_ROAD | -5 | 1.25 | 1.50 | 1.70 | 4.5 | 5.4 | 6.1 | 2.8 | 3.4 | 3.8 |
| Partly_Cloudy | 25 | 25 | 77 | DIRT_ROAD | 0 | 1.35 | 1.65 | 1.85 | 4.9 | 5.9 | 6.7 | 3.0 | 3.7 | 4.1 |
| Partly_Cloudy | 25 | 25 | 77 | DIRT_ROAD | 5 | 0.90 | 1.15 | 1.35 | 3.2 | 4.1 | 4.9 | 2.0 | 2.6 | 3.0 |
| Partly_Cloudy | 25 | 25 | 77 | DIRT_ROAD | 10 | 0.60 | 0.85 | 1.00 | 2.2 | 3.1 | 3.6 | 1.3 | 1.9 | 2.2 |
| Partly_Cloudy | 25 | 25 | 77 | DIRT_ROAD | 15 | 0.45 | 0.65 | 0.80 | 1.6 | 2.3 | 2.9 | 1.0 | 1.5 | 1.8 |
| Partly_Cloudy | 25 | 25 | 77 | DIRT_ROAD | 20 | 0.35 | 0.50 | 0.65 | 1.3 | 1.8 | 2.3 | 0.8 | 1.1 | 1.5 |
| Partly_Cloudy | 25 | 25 | 77 | DIRT_ROAD | 30 | 0.25 | 0.35 | 0.45 | 0.9 | 1.3 | 1.6 | 0.6 | 0.8 | 1.0 |
| Partly_Cloudy | 25 | 25 | 77 | DIRT_ROAD | 40 | 0.15 | 0.25 | 0.35 | 0.5 | 0.9 | 1.3 | 0.3 | 0.6 | 0.8 |
| Partly_Cloudy | 25 | 25 | 77 | DIRT_ROAD | 50 | 0.15 | 0.20 | 0.25 | 0.5 | 0.7 | 0.9 | 0.3 | 0.4 | 0.6 |
| Partly_Cloudy | 25 | 25 | 77 | LOOSE_SAND | -50 | 0.35 | 0.50 | 0.60 | 1.3 | 1.8 | 2.2 | 0.8 | 1.1 | 1.3 |
| Partly_Cloudy | 25 | 25 | 77 | LOOSE_SAND | -40 | 0.40 | 0.55 | 0.70 | 1.4 | 2.0 | 2.5 | 0.9 | 1.2 | 1.6 |
| Partly_Cloudy | 25 | 25 | 77 | LOOSE_SAND | -30 | 0.50 | 0.65 | 0.80 | 1.8 | 2.3 | 2.9 | 1.1 | 1.5 | 1.8 |
| Partly_Cloudy | 25 | 25 | 77 | LOOSE_SAND | -20 | 0.60 | 0.80 | 0.95 | 2.2 | 2.9 | 3.4 | 1.3 | 1.8 | 2.1 |
| Partly_Cloudy | 25 | 25 | 77 | LOOSE_SAND | -15 | 0.70 | 0.85 | 1.00 | 2.5 | 3.1 | 3.6 | 1.6 | 1.9 | 2.2 |
| Partly_Cloudy | 25 | 25 | 77 | LOOSE_SAND | -10 | 0.75 | 0.95 | 1.10 | 2.7 | 3.4 | 4.0 | 1.7 | 2.1 | 2.5 |
| Partly_Cloudy | 25 | 25 | 77 | LOOSE_SAND | -5 | 0.85 | 1.05 | 1.20 | 3.1 | 3.8 | 4.3 | 1.9 | 2.4 | 2.7 |
| Partly_Cloudy | 25 | 25 | 77 | LOOSE_SAND | 0 | 0.95 | 1.15 | 1.30 | 3.4 | 4.1 | 4.7 | 2.1 | 2.6 | 2.9 |
| Partly_Cloudy | 25 | 25 | 77 | LOOSE_SAND | 5 | 0.55 | 0.70 | 0.85 | 2.0 | 2.5 | 3.1 | 1.2 | 1.6 | 1.9 |
| Partly_Cloudy | 25 | 25 | 77 | LOOSE_SAND | 10 | 0.35 | 0.50 | 0.60 | 1.3 | 1.8 | 2.2 | 0.8 | 1.1 | 1.3 |
| Partly_Cloudy | 25 | 25 | 77 | LOOSE_SAND | 15 | 0.25 | 0.35 | 0.45 | 0.9 | 1.3 | 1.6 | 0.6 | 0.8 | 1.0 |
| Partly_Cloudy | 25 | 25 | 77 | LOOSE_SAND | 20 | 0.20 | 0.25 | 0.35 | 0.7 | 0.9 | 1.3 | 0.4 | 0.6 | 0.8 |
| Partly_Cloudy | 25 | 25 | 77 | LOOSE_SAND | 30 | 0.10 | 0.15 | 0.25 | 0.4 | 0.5 | 0.9 | 0.2 | 0.3 | 0.6 |
| Partly_Cloudy | 25 | 25 | 77 | LOOSE_SAND | 40 | 0.10 | 0.15 | 0.15 | 0.4 | 0.5 | 0.5 | 0.2 | 0.3 | 0.3 |
| Partly_Cloudy | 25 | 25 | 77 | LOOSE_SAND | 50 | 0.05 | 0.10 | 0.15 | 0.2 | 0.4 | 0.5 | 0.1 | 0.2 | 0.3 |

Table G-13. Maximum Sustainable Speed, Partly Cloudy, 25% Humidity, 30°C (86°F)

| Cloud Cover | RH (%) | °C | °F | Terrain Type | Grade (%) | Max Sustainable Speed (meters/second) | | | Max Sustainable Speed (kilometers/hour) | | | Max Sustainable Speed (miles/hour) | | |
|---------------|--------|----|----|--------------|-----------|---------------------------------------|------|------|---|-----|------|------------------------------------|-----|------|
| | | | | | | Risk Level | | | Risk Level | | | Risk Level | | |
| | | | | | | Low | Mod | High | Low | Mod | High | Low | Mod | High |
| Partly_Cloudy | 25 | 30 | 86 | BLACK_TOP | -50 | 0.55 | 0.75 | 0.90 | 2.0 | 2.7 | 3.2 | 1.2 | 1.7 | 2.0 |
| Partly_Cloudy | 25 | 30 | 86 | BLACK_TOP | -40 | 0.65 | 0.90 | 1.00 | 2.3 | 3.2 | 3.6 | 1.5 | 2.0 | 2.2 |
| Partly_Cloudy | 25 | 30 | 86 | BLACK_TOP | -30 | 0.75 | 1.00 | 1.15 | 2.7 | 3.6 | 4.1 | 1.7 | 2.2 | 2.6 |
| Partly_Cloudy | 25 | 30 | 86 | BLACK_TOP | -20 | 0.90 | 1.15 | 1.30 | 3.2 | 4.1 | 4.7 | 2.0 | 2.6 | 2.9 |
| Partly_Cloudy | 25 | 30 | 86 | BLACK_TOP | -15 | 1.00 | 1.25 | 1.40 | 3.6 | 4.5 | 5.0 | 2.2 | 2.8 | 3.1 |
| Partly_Cloudy | 25 | 30 | 86 | BLACK_TOP | -10 | 1.10 | 1.35 | 1.50 | 4.0 | 4.9 | 5.4 | 2.5 | 3.0 | 3.4 |
| Partly_Cloudy | 25 | 30 | 86 | BLACK_TOP | -5 | 1.20 | 1.45 | 1.60 | 4.3 | 5.2 | 5.8 | 2.7 | 3.2 | 3.6 |
| Partly_Cloudy | 25 | 30 | 86 | BLACK_TOP | 0 | 1.30 | 1.55 | 1.70 | 4.7 | 5.6 | 6.1 | 2.9 | 3.5 | 3.8 |
| Partly_Cloudy | 25 | 30 | 86 | BLACK_TOP | 5 | 0.85 | 1.10 | 1.25 | 3.1 | 4.0 | 4.5 | 1.9 | 2.5 | 2.8 |
| Partly_Cloudy | 25 | 30 | 86 | BLACK_TOP | 10 | 0.55 | 0.75 | 0.90 | 2.0 | 2.7 | 3.2 | 1.2 | 1.7 | 2.0 |
| Partly_Cloudy | 25 | 30 | 86 | BLACK_TOP | 15 | 0.40 | 0.60 | 0.70 | 1.4 | 2.2 | 2.5 | 0.9 | 1.3 | 1.6 |
| Partly_Cloudy | 25 | 30 | 86 | BLACK_TOP | 20 | 0.30 | 0.45 | 0.55 | 1.1 | 1.6 | 2.0 | 0.7 | 1.0 | 1.2 |
| Partly_Cloudy | 25 | 30 | 86 | BLACK_TOP | 30 | 0.20 | 0.30 | 0.40 | 0.7 | 1.1 | 1.4 | 0.4 | 0.7 | 0.9 |
| Partly_Cloudy | 25 | 30 | 86 | BLACK_TOP | 40 | 0.15 | 0.25 | 0.30 | 0.5 | 0.9 | 1.1 | 0.3 | 0.6 | 0.7 |
| Partly_Cloudy | 25 | 30 | 86 | BLACK_TOP | 50 | 0.10 | 0.20 | 0.25 | 0.4 | 0.7 | 0.9 | 0.2 | 0.4 | 0.6 |
| Partly_Cloudy | 25 | 30 | 86 | DIRT_ROAD | -50 | 0.50 | 0.70 | 0.85 | 1.8 | 2.5 | 3.1 | 1.1 | 1.6 | 1.9 |
| Partly_Cloudy | 25 | 30 | 86 | DIRT_ROAD | -40 | 0.60 | 0.80 | 0.95 | 2.2 | 2.9 | 3.4 | 1.3 | 1.8 | 2.1 |
| Partly_Cloudy | 25 | 30 | 86 | DIRT_ROAD | -30 | 0.70 | 0.95 | 1.10 | 2.5 | 3.4 | 4.0 | 1.6 | 2.1 | 2.5 |
| Partly_Cloudy | 25 | 30 | 86 | DIRT_ROAD | -20 | 0.85 | 1.10 | 1.25 | 3.1 | 4.0 | 4.5 | 1.9 | 2.5 | 2.8 |
| Partly_Cloudy | 25 | 30 | 86 | DIRT_ROAD | -15 | 0.95 | 1.15 | 1.35 | 3.4 | 4.1 | 4.9 | 2.1 | 2.6 | 3.0 |
| Partly_Cloudy | 25 | 30 | 86 | DIRT_ROAD | -10 | 1.00 | 1.25 | 1.40 | 3.6 | 4.5 | 5.0 | 2.2 | 2.8 | 3.1 |
| Partly_Cloudy | 25 | 30 | 86 | DIRT_ROAD | -5 | 1.10 | 1.35 | 1.55 | 4.0 | 4.9 | 5.6 | 2.5 | 3.0 | 3.5 |
| Partly_Cloudy | 25 | 30 | 86 | DIRT_ROAD | 0 | 1.25 | 1.50 | 1.65 | 4.5 | 5.4 | 5.9 | 2.8 | 3.4 | 3.7 |
| Partly_Cloudy | 25 | 30 | 86 | DIRT_ROAD | 5 | 0.80 | 1.00 | 1.15 | 2.9 | 3.6 | 4.1 | 1.8 | 2.2 | 2.6 |
| Partly_Cloudy | 25 | 30 | 86 | DIRT_ROAD | 10 | 0.50 | 0.70 | 0.85 | 1.8 | 2.5 | 3.1 | 1.1 | 1.6 | 1.9 |
| Partly_Cloudy | 25 | 30 | 86 | DIRT_ROAD | 15 | 0.40 | 0.55 | 0.65 | 1.4 | 2.0 | 2.3 | 0.9 | 1.2 | 1.5 |
| Partly_Cloudy | 25 | 30 | 86 | DIRT_ROAD | 20 | 0.30 | 0.40 | 0.50 | 1.1 | 1.4 | 1.8 | 0.7 | 0.9 | 1.1 |
| Partly_Cloudy | 25 | 30 | 86 | DIRT_ROAD | 30 | 0.20 | 0.30 | 0.35 | 0.7 | 1.1 | 1.3 | 0.4 | 0.7 | 0.8 |
| Partly_Cloudy | 25 | 30 | 86 | DIRT_ROAD | 40 | 0.15 | 0.20 | 0.25 | 0.5 | 0.7 | 0.9 | 0.3 | 0.4 | 0.6 |
| Partly_Cloudy | 25 | 30 | 86 | DIRT_ROAD | 50 | 0.10 | 0.15 | 0.20 | 0.4 | 0.5 | 0.7 | 0.2 | 0.3 | 0.4 |
| Partly_Cloudy | 25 | 30 | 86 | LOOSE_SAND | -50 | 0.30 | 0.40 | 0.50 | 1.1 | 1.4 | 1.8 | 0.7 | 0.9 | 1.1 |
| Partly_Cloudy | 25 | 30 | 86 | LOOSE_SAND | -40 | 0.35 | 0.50 | 0.55 | 1.3 | 1.8 | 2.0 | 0.8 | 1.1 | 1.2 |
| Partly_Cloudy | 25 | 30 | 86 | LOOSE_SAND | -30 | 0.40 | 0.55 | 0.65 | 1.4 | 2.0 | 2.3 | 0.9 | 1.2 | 1.5 |
| Partly_Cloudy | 25 | 30 | 86 | LOOSE_SAND | -20 | 0.55 | 0.70 | 0.80 | 2.0 | 2.5 | 2.9 | 1.2 | 1.6 | 1.8 |
| Partly_Cloudy | 25 | 30 | 86 | LOOSE_SAND | -15 | 0.60 | 0.75 | 0.90 | 2.2 | 2.7 | 3.2 | 1.3 | 1.7 | 2.0 |
| Partly_Cloudy | 25 | 30 | 86 | LOOSE_SAND | -10 | 0.70 | 0.85 | 0.95 | 2.5 | 3.1 | 3.4 | 1.6 | 1.9 | 2.1 |
| Partly_Cloudy | 25 | 30 | 86 | LOOSE_SAND | -5 | 0.80 | 0.95 | 1.05 | 2.9 | 3.4 | 3.8 | 1.8 | 2.1 | 2.4 |
| Partly_Cloudy | 25 | 30 | 86 | LOOSE_SAND | 0 | 0.90 | 1.05 | 1.20 | 3.2 | 3.8 | 4.3 | 2.0 | 2.4 | 2.7 |
| Partly_Cloudy | 25 | 30 | 86 | LOOSE_SAND | 5 | 0.45 | 0.65 | 0.75 | 1.6 | 2.3 | 2.7 | 1.0 | 1.5 | 1.7 |
| Partly_Cloudy | 25 | 30 | 86 | LOOSE_SAND | 10 | 0.30 | 0.40 | 0.50 | 1.1 | 1.4 | 1.8 | 0.7 | 0.9 | 1.1 |
| Partly_Cloudy | 25 | 30 | 86 | LOOSE_SAND | 15 | 0.20 | 0.30 | 0.35 | 0.7 | 1.1 | 1.3 | 0.4 | 0.7 | 0.8 |
| Partly_Cloudy | 25 | 30 | 86 | LOOSE_SAND | 20 | 0.15 | 0.20 | 0.25 | 0.5 | 0.7 | 0.9 | 0.3 | 0.4 | 0.6 |
| Partly_Cloudy | 25 | 30 | 86 | LOOSE_SAND | 30 | 0.10 | 0.15 | 0.20 | 0.4 | 0.5 | 0.7 | 0.2 | 0.3 | 0.4 |
| Partly_Cloudy | 25 | 30 | 86 | LOOSE_SAND | 40 | 0.05 | 0.10 | 0.15 | 0.2 | 0.4 | 0.5 | 0.1 | 0.2 | 0.3 |
| Partly_Cloudy | 25 | 30 | 86 | LOOSE_SAND | 50 | 0.05 | 0.10 | 0.10 | 0.2 | 0.4 | 0.4 | 0.1 | 0.2 | 0.2 |

Table G-14. Maximum Sustainable Speed, Partly Cloudy, 25% Humidity, 35°C (95°F)

| Cloud Cover | RH (%) | °C | °F | Terrain Type | Grade (%) | Max Sustainable Speed (meters/second) | | | Max Sustainable Speed (kilometers/hour) | | | Max Sustainable Speed (miles/hour) | | |
|---------------|--------|----|----|--------------|-----------|---------------------------------------|------|------|---|-----|------|------------------------------------|-----|------|
| | | | | | | Risk Level | | | Risk Level | | | Risk Level | | |
| | | | | | | Low | Mod | High | Low | Mod | High | Low | Mod | High |
| Partly_Cloudy | 25 | 35 | 95 | BLACK_TOP | -50 | 0.45 | 0.60 | 0.70 | 1.6 | 2.2 | 2.5 | 1.0 | 1.3 | 1.6 |
| Partly_Cloudy | 25 | 35 | 95 | BLACK_TOP | -40 | 0.55 | 0.70 | 0.80 | 2.0 | 2.5 | 2.9 | 1.2 | 1.6 | 1.8 |
| Partly_Cloudy | 25 | 35 | 95 | BLACK_TOP | -30 | 0.65 | 0.80 | 0.95 | 2.3 | 2.9 | 3.4 | 1.5 | 1.8 | 2.1 |
| Partly_Cloudy | 25 | 35 | 95 | BLACK_TOP | -20 | 0.80 | 0.95 | 1.10 | 2.9 | 3.4 | 4.0 | 1.8 | 2.1 | 2.5 |
| Partly_Cloudy | 25 | 35 | 95 | BLACK_TOP | -15 | 0.85 | 1.00 | 1.15 | 3.1 | 3.6 | 4.1 | 1.9 | 2.2 | 2.6 |
| Partly_Cloudy | 25 | 35 | 95 | BLACK_TOP | -10 | 0.95 | 1.10 | 1.25 | 3.4 | 4.0 | 4.5 | 2.1 | 2.5 | 2.8 |
| Partly_Cloudy | 25 | 35 | 95 | BLACK_TOP | -5 | 1.05 | 1.20 | 1.35 | 3.8 | 4.3 | 4.9 | 2.4 | 2.7 | 3.0 |
| Partly_Cloudy | 25 | 35 | 95 | BLACK_TOP | 0 | 1.15 | 1.30 | 1.50 | 4.1 | 4.7 | 5.4 | 2.6 | 2.9 | 3.4 |
| Partly_Cloudy | 25 | 35 | 95 | BLACK_TOP | 5 | 0.70 | 0.85 | 1.00 | 2.5 | 3.1 | 3.6 | 1.6 | 1.9 | 2.2 |
| Partly_Cloudy | 25 | 35 | 95 | BLACK_TOP | 10 | 0.45 | 0.60 | 0.70 | 1.6 | 2.2 | 2.5 | 1.0 | 1.3 | 1.6 |
| Partly_Cloudy | 25 | 35 | 95 | BLACK_TOP | 15 | 0.35 | 0.45 | 0.55 | 1.3 | 1.6 | 2.0 | 0.8 | 1.0 | 1.2 |
| Partly_Cloudy | 25 | 35 | 95 | BLACK_TOP | 20 | 0.25 | 0.35 | 0.40 | 0.9 | 1.3 | 1.4 | 0.6 | 0.8 | 0.9 |
| Partly_Cloudy | 25 | 35 | 95 | BLACK_TOP | 30 | 0.15 | 0.20 | 0.30 | 0.5 | 0.7 | 1.1 | 0.3 | 0.4 | 0.7 |
| Partly_Cloudy | 25 | 35 | 95 | BLACK_TOP | 40 | 0.10 | 0.15 | 0.20 | 0.4 | 0.5 | 0.7 | 0.2 | 0.3 | 0.4 |
| Partly_Cloudy | 25 | 35 | 95 | BLACK_TOP | 50 | 0.10 | 0.15 | 0.15 | 0.4 | 0.5 | 0.5 | 0.2 | 0.3 | 0.3 |
| Partly_Cloudy | 25 | 35 | 95 | DIRT_ROAD | -50 | 0.45 | 0.55 | 0.65 | 1.6 | 2.0 | 2.3 | 1.0 | 1.2 | 1.5 |
| Partly_Cloudy | 25 | 35 | 95 | DIRT_ROAD | -40 | 0.50 | 0.65 | 0.75 | 1.8 | 2.3 | 2.7 | 1.1 | 1.5 | 1.7 |
| Partly_Cloudy | 25 | 35 | 95 | DIRT_ROAD | -30 | 0.60 | 0.75 | 0.85 | 2.2 | 2.7 | 3.1 | 1.3 | 1.7 | 1.9 |
| Partly_Cloudy | 25 | 35 | 95 | DIRT_ROAD | -20 | 0.75 | 0.85 | 1.00 | 2.7 | 3.1 | 3.6 | 1.7 | 1.9 | 2.2 |
| Partly_Cloudy | 25 | 35 | 95 | DIRT_ROAD | -15 | 0.80 | 0.95 | 1.10 | 2.9 | 3.4 | 4.0 | 1.8 | 2.1 | 2.5 |
| Partly_Cloudy | 25 | 35 | 95 | DIRT_ROAD | -10 | 0.90 | 1.05 | 1.20 | 3.2 | 3.8 | 4.3 | 2.0 | 2.4 | 2.7 |
| Partly_Cloudy | 25 | 35 | 95 | DIRT_ROAD | -5 | 1.00 | 1.15 | 1.30 | 3.6 | 4.1 | 4.7 | 2.2 | 2.6 | 2.9 |
| Partly_Cloudy | 25 | 35 | 95 | DIRT_ROAD | 0 | 1.10 | 1.25 | 1.40 | 4.0 | 4.5 | 5.0 | 2.5 | 2.8 | 3.1 |
| Partly_Cloudy | 25 | 35 | 95 | DIRT_ROAD | 5 | 0.65 | 0.80 | 0.95 | 2.3 | 2.9 | 3.4 | 1.5 | 1.8 | 2.1 |
| Partly_Cloudy | 25 | 35 | 95 | DIRT_ROAD | 10 | 0.45 | 0.55 | 0.65 | 1.6 | 2.0 | 2.3 | 1.0 | 1.2 | 1.5 |
| Partly_Cloudy | 25 | 35 | 95 | DIRT_ROAD | 15 | 0.30 | 0.40 | 0.50 | 1.1 | 1.4 | 1.8 | 0.7 | 0.9 | 1.1 |
| Partly_Cloudy | 25 | 35 | 95 | DIRT_ROAD | 20 | 0.25 | 0.30 | 0.40 | 0.9 | 1.1 | 1.4 | 0.6 | 0.7 | 0.9 |
| Partly_Cloudy | 25 | 35 | 95 | DIRT_ROAD | 30 | 0.15 | 0.20 | 0.25 | 0.5 | 0.7 | 0.9 | 0.3 | 0.4 | 0.6 |
| Partly_Cloudy | 25 | 35 | 95 | DIRT_ROAD | 40 | 0.10 | 0.15 | 0.20 | 0.4 | 0.5 | 0.7 | 0.2 | 0.3 | 0.4 |
| Partly_Cloudy | 25 | 35 | 95 | DIRT_ROAD | 50 | 0.10 | 0.10 | 0.15 | 0.4 | 0.4 | 0.5 | 0.2 | 0.2 | 0.3 |
| Partly_Cloudy | 25 | 35 | 95 | LOOSE_SAND | -50 | 0.25 | 0.30 | 0.35 | 0.9 | 1.1 | 1.3 | 0.6 | 0.7 | 0.8 |
| Partly_Cloudy | 25 | 35 | 95 | LOOSE_SAND | -40 | 0.30 | 0.35 | 0.45 | 1.1 | 1.3 | 1.6 | 0.7 | 0.8 | 1.0 |
| Partly_Cloudy | 25 | 35 | 95 | LOOSE_SAND | -30 | 0.35 | 0.45 | 0.55 | 1.3 | 1.6 | 2.0 | 0.8 | 1.0 | 1.2 |
| Partly_Cloudy | 25 | 35 | 95 | LOOSE_SAND | -20 | 0.45 | 0.55 | 0.65 | 1.6 | 2.0 | 2.3 | 1.0 | 1.2 | 1.5 |
| Partly_Cloudy | 25 | 35 | 95 | LOOSE_SAND | -15 | 0.50 | 0.60 | 0.70 | 1.8 | 2.2 | 2.5 | 1.1 | 1.3 | 1.6 |
| Partly_Cloudy | 25 | 35 | 95 | LOOSE_SAND | -10 | 0.60 | 0.70 | 0.80 | 2.2 | 2.5 | 2.9 | 1.3 | 1.6 | 1.8 |
| Partly_Cloudy | 25 | 35 | 95 | LOOSE_SAND | -5 | 0.70 | 0.80 | 0.90 | 2.5 | 2.9 | 3.2 | 1.6 | 1.8 | 2.0 |
| Partly_Cloudy | 25 | 35 | 95 | LOOSE_SAND | 0 | 0.80 | 0.90 | 1.00 | 2.9 | 3.2 | 3.6 | 1.8 | 2.0 | 2.2 |
| Partly_Cloudy | 25 | 35 | 95 | LOOSE_SAND | 5 | 0.40 | 0.50 | 0.60 | 1.4 | 1.8 | 2.2 | 0.9 | 1.1 | 1.3 |
| Partly_Cloudy | 25 | 35 | 95 | LOOSE_SAND | 10 | 0.25 | 0.30 | 0.35 | 0.9 | 1.1 | 1.3 | 0.6 | 0.7 | 0.8 |
| Partly_Cloudy | 25 | 35 | 95 | LOOSE_SAND | 15 | 0.15 | 0.20 | 0.25 | 0.5 | 0.7 | 0.9 | 0.3 | 0.4 | 0.6 |
| Partly_Cloudy | 25 | 35 | 95 | LOOSE_SAND | 20 | 0.10 | 0.15 | 0.20 | 0.4 | 0.5 | 0.7 | 0.2 | 0.3 | 0.4 |
| Partly_Cloudy | 25 | 35 | 95 | LOOSE_SAND | 30 | 0.05 | 0.10 | 0.15 | 0.2 | 0.4 | 0.5 | 0.1 | 0.2 | 0.3 |
| Partly_Cloudy | 25 | 35 | 95 | LOOSE_SAND | 40 | 0.05 | 0.05 | 0.10 | 0.2 | 0.2 | 0.4 | 0.1 | 0.1 | 0.2 |
| Partly_Cloudy | 25 | 35 | 95 | LOOSE_SAND | 50 | 0.05 | 0.05 | 0.05 | 0.2 | 0.2 | 0.2 | 0.1 | 0.1 | 0.1 |

Table G-15. Maximum Sustainable Speed, Partly Cloudy, 50% Humidity, 5°C (41°F)

| Cloud Cover | RH (%) | °C | °F | Terrain Type | Grade (%) | Max Sustainable Speed (meters/second) | | | Max Sustainable Speed (kilometers/hour) | | | Max Sustainable Speed (miles/hour) | | |
|---------------|--------|----|----|--------------|-----------|---------------------------------------|------|------|---|-----|------|------------------------------------|-----|------|
| | | | | | | Risk Level | | | Risk Level | | | Risk Level | | |
| | | | | | | Low | Mod | High | Low | Mod | High | Low | Mod | High |
| Partly_Cloudy | 50 | 5 | 41 | BLACK_TOP | -50 | 1.00 | 1.25 | 1.60 | 3.6 | 4.5 | 5.8 | 2.2 | 2.8 | 3.6 |
| Partly_Cloudy | 50 | 5 | 41 | BLACK_TOP | -40 | 1.15 | 1.35 | 1.75 | 4.1 | 4.9 | 6.3 | 2.6 | 3.0 | 3.9 |
| Partly_Cloudy | 50 | 5 | 41 | BLACK_TOP | -30 | 1.25 | 1.50 | 1.90 | 4.5 | 5.4 | 6.8 | 2.8 | 3.4 | 4.3 |
| Partly_Cloudy | 50 | 5 | 41 | BLACK_TOP | -20 | 1.45 | 1.70 | 2.10 | 5.2 | 6.1 | 7.6 | 3.2 | 3.8 | 4.7 |
| Partly_Cloudy | 50 | 5 | 41 | BLACK_TOP | -15 | 1.50 | 1.80 | 2.20 | 5.4 | 6.5 | 7.9 | 3.4 | 4.0 | 4.9 |
| Partly_Cloudy | 50 | 5 | 41 | BLACK_TOP | -10 | 1.60 | 1.90 | 2.30 | 5.8 | 6.8 | 8.3 | 3.6 | 4.3 | 5.2 |
| Partly_Cloudy | 50 | 5 | 41 | BLACK_TOP | -5 | 1.75 | 2.00 | 2.40 | 6.3 | 7.2 | 8.6 | 3.9 | 4.5 | 5.4 |
| Partly_Cloudy | 50 | 5 | 41 | BLACK_TOP | 0 | 1.85 | 2.10 | 2.50 | 6.7 | 7.6 | 9.0 | 4.1 | 4.7 | 5.6 |
| Partly_Cloudy | 50 | 5 | 41 | BLACK_TOP | 5 | 1.35 | 1.60 | 2.00 | 4.9 | 5.8 | 7.2 | 3.0 | 3.6 | 4.5 |
| Partly_Cloudy | 50 | 5 | 41 | BLACK_TOP | 10 | 1.00 | 1.25 | 1.60 | 3.6 | 4.5 | 5.8 | 2.2 | 2.8 | 3.6 |
| Partly_Cloudy | 50 | 5 | 41 | BLACK_TOP | 15 | 0.80 | 1.00 | 1.30 | 2.9 | 3.6 | 4.7 | 1.8 | 2.2 | 2.9 |
| Partly_Cloudy | 50 | 5 | 41 | BLACK_TOP | 20 | 0.65 | 0.80 | 1.10 | 2.3 | 2.9 | 4.0 | 1.5 | 1.8 | 2.5 |
| Partly_Cloudy | 50 | 5 | 41 | BLACK_TOP | 30 | 0.45 | 0.60 | 0.80 | 1.6 | 2.2 | 2.9 | 1.0 | 1.3 | 1.8 |
| Partly_Cloudy | 50 | 5 | 41 | BLACK_TOP | 40 | 0.35 | 0.45 | 0.65 | 1.3 | 1.6 | 2.3 | 0.8 | 1.0 | 1.5 |
| Partly_Cloudy | 50 | 5 | 41 | BLACK_TOP | 50 | 0.25 | 0.35 | 0.50 | 0.9 | 1.3 | 1.8 | 0.6 | 0.8 | 1.1 |
| Partly_Cloudy | 50 | 5 | 41 | DIRT_ROAD | -50 | 0.95 | 1.15 | 1.50 | 3.4 | 4.1 | 5.4 | 2.1 | 2.6 | 3.4 |
| Partly_Cloudy | 50 | 5 | 41 | DIRT_ROAD | -40 | 1.05 | 1.30 | 1.65 | 3.8 | 4.7 | 5.9 | 2.4 | 2.9 | 3.7 |
| Partly_Cloudy | 50 | 5 | 41 | DIRT_ROAD | -30 | 1.20 | 1.45 | 1.80 | 4.3 | 5.2 | 6.5 | 2.7 | 3.2 | 4.0 |
| Partly_Cloudy | 50 | 5 | 41 | DIRT_ROAD | -20 | 1.35 | 1.60 | 2.00 | 4.9 | 5.8 | 7.2 | 3.0 | 3.6 | 4.5 |
| Partly_Cloudy | 50 | 5 | 41 | DIRT_ROAD | -15 | 1.45 | 1.70 | 2.10 | 5.2 | 6.1 | 7.6 | 3.2 | 3.8 | 4.7 |
| Partly_Cloudy | 50 | 5 | 41 | DIRT_ROAD | -10 | 1.55 | 1.80 | 2.20 | 5.6 | 6.5 | 7.9 | 3.5 | 4.0 | 4.9 |
| Partly_Cloudy | 50 | 5 | 41 | DIRT_ROAD | -5 | 1.65 | 1.90 | 2.30 | 5.9 | 6.8 | 8.3 | 3.7 | 4.3 | 5.2 |
| Partly_Cloudy | 50 | 5 | 41 | DIRT_ROAD | 0 | 1.75 | 2.00 | 2.40 | 6.3 | 7.2 | 8.6 | 3.9 | 4.5 | 5.4 |
| Partly_Cloudy | 50 | 5 | 41 | DIRT_ROAD | 5 | 1.25 | 1.50 | 1.90 | 4.5 | 5.4 | 6.8 | 2.8 | 3.4 | 4.3 |
| Partly_Cloudy | 50 | 5 | 41 | DIRT_ROAD | 10 | 0.95 | 1.15 | 1.50 | 3.4 | 4.1 | 5.4 | 2.1 | 2.6 | 3.4 |
| Partly_Cloudy | 50 | 5 | 41 | DIRT_ROAD | 15 | 0.70 | 0.90 | 1.20 | 2.5 | 3.2 | 4.3 | 1.6 | 2.0 | 2.7 |
| Partly_Cloudy | 50 | 5 | 41 | DIRT_ROAD | 20 | 0.55 | 0.75 | 1.00 | 2.0 | 2.7 | 3.6 | 1.2 | 1.7 | 2.2 |
| Partly_Cloudy | 50 | 5 | 41 | DIRT_ROAD | 30 | 0.40 | 0.50 | 0.75 | 1.4 | 1.8 | 2.7 | 0.9 | 1.1 | 1.7 |
| Partly_Cloudy | 50 | 5 | 41 | DIRT_ROAD | 40 | 0.30 | 0.40 | 0.55 | 1.1 | 1.4 | 2.0 | 0.7 | 0.9 | 1.2 |
| Partly_Cloudy | 50 | 5 | 41 | DIRT_ROAD | 50 | 0.25 | 0.30 | 0.45 | 0.9 | 1.1 | 1.6 | 0.6 | 0.7 | 1.0 |
| Partly_Cloudy | 50 | 5 | 41 | LOOSE_SAND | -50 | 0.55 | 0.70 | 0.90 | 2.0 | 2.5 | 3.2 | 1.2 | 1.6 | 2.0 |
| Partly_Cloudy | 50 | 5 | 41 | LOOSE_SAND | -40 | 0.65 | 0.80 | 1.05 | 2.3 | 2.9 | 3.8 | 1.5 | 1.8 | 2.4 |
| Partly_Cloudy | 50 | 5 | 41 | LOOSE_SAND | -30 | 0.75 | 0.90 | 1.15 | 2.7 | 3.2 | 4.1 | 1.7 | 2.0 | 2.6 |
| Partly_Cloudy | 50 | 5 | 41 | LOOSE_SAND | -20 | 0.90 | 1.05 | 1.35 | 3.2 | 3.8 | 4.9 | 2.0 | 2.4 | 3.0 |
| Partly_Cloudy | 50 | 5 | 41 | LOOSE_SAND | -15 | 0.95 | 1.15 | 1.40 | 3.4 | 4.1 | 5.0 | 2.1 | 2.6 | 3.1 |
| Partly_Cloudy | 50 | 5 | 41 | LOOSE_SAND | -10 | 1.05 | 1.25 | 1.50 | 3.8 | 4.5 | 5.4 | 2.4 | 2.8 | 3.4 |
| Partly_Cloudy | 50 | 5 | 41 | LOOSE_SAND | -5 | 1.15 | 1.35 | 1.60 | 4.1 | 4.9 | 5.8 | 2.6 | 3.0 | 3.6 |
| Partly_Cloudy | 50 | 5 | 41 | LOOSE_SAND | 0 | 1.25 | 1.45 | 1.75 | 4.5 | 5.2 | 6.3 | 2.8 | 3.2 | 3.9 |
| Partly_Cloudy | 50 | 5 | 41 | LOOSE_SAND | 5 | 0.80 | 1.00 | 1.25 | 2.9 | 3.6 | 4.5 | 1.8 | 2.2 | 2.8 |
| Partly_Cloudy | 50 | 5 | 41 | LOOSE_SAND | 10 | 0.55 | 0.70 | 0.90 | 2.0 | 2.5 | 3.2 | 1.2 | 1.6 | 2.0 |
| Partly_Cloudy | 50 | 5 | 41 | LOOSE_SAND | 15 | 0.40 | 0.50 | 0.70 | 1.4 | 1.8 | 2.5 | 0.9 | 1.1 | 1.6 |
| Partly_Cloudy | 50 | 5 | 41 | LOOSE_SAND | 20 | 0.30 | 0.40 | 0.55 | 1.1 | 1.4 | 2.0 | 0.7 | 0.9 | 1.2 |
| Partly_Cloudy | 50 | 5 | 41 | LOOSE_SAND | 30 | 0.20 | 0.25 | 0.40 | 0.7 | 0.9 | 1.4 | 0.4 | 0.6 | 0.9 |
| Partly_Cloudy | 50 | 5 | 41 | LOOSE_SAND | 40 | 0.15 | 0.20 | 0.30 | 0.5 | 0.7 | 1.1 | 0.3 | 0.4 | 0.7 |
| Partly_Cloudy | 50 | 5 | 41 | LOOSE_SAND | 50 | 0.10 | 0.15 | 0.25 | 0.4 | 0.5 | 0.9 | 0.2 | 0.3 | 0.6 |

Table G-16. Maximum Sustainable Speed, Partly Cloudy, 50% Humidity, 10°C (50°F)

| Cloud Cover | RH (%) | °C | °F | Terrain Type | Grade (%) | Max Sustainable Speed (meters/second) | | | Max Sustainable Speed (kilometers/hour) | | | Max Sustainable Speed (miles/hour) | | |
|---------------|--------|----|----|--------------|-----------|---------------------------------------|------|------|---|-----|------|------------------------------------|-----|------|
| | | | | | | Risk Level | | | Risk Level | | | Risk Level | | |
| | | | | | | Low | Mod | High | Low | Mod | High | Low | Mod | High |
| Partly_Cloudy | 50 | 10 | 50 | BLACK_TOP | -50 | 0.90 | 1.15 | 1.45 | 3.2 | 4.1 | 5.2 | 2.0 | 2.6 | 3.2 |
| Partly_Cloudy | 50 | 10 | 50 | BLACK_TOP | -40 | 1.05 | 1.30 | 1.60 | 3.8 | 4.7 | 5.8 | 2.4 | 2.9 | 3.6 |
| Partly_Cloudy | 50 | 10 | 50 | BLACK_TOP | -30 | 1.15 | 1.45 | 1.75 | 4.1 | 5.2 | 6.3 | 2.6 | 3.2 | 3.9 |
| Partly_Cloudy | 50 | 10 | 50 | BLACK_TOP | -20 | 1.35 | 1.60 | 1.95 | 4.9 | 5.8 | 7.0 | 3.0 | 3.6 | 4.4 |
| Partly_Cloudy | 50 | 10 | 50 | BLACK_TOP | -15 | 1.40 | 1.70 | 2.05 | 5.0 | 6.1 | 7.4 | 3.1 | 3.8 | 4.6 |
| Partly_Cloudy | 50 | 10 | 50 | BLACK_TOP | -10 | 1.50 | 1.80 | 2.15 | 5.4 | 6.5 | 7.7 | 3.4 | 4.0 | 4.8 |
| Partly_Cloudy | 50 | 10 | 50 | BLACK_TOP | -5 | 1.60 | 1.90 | 2.25 | 5.8 | 6.8 | 8.1 | 3.6 | 4.3 | 5.0 |
| Partly_Cloudy | 50 | 10 | 50 | BLACK_TOP | 0 | 1.75 | 2.00 | 2.35 | 6.3 | 7.2 | 8.5 | 3.9 | 4.5 | 5.3 |
| Partly_Cloudy | 50 | 10 | 50 | BLACK_TOP | 5 | 1.25 | 1.50 | 1.85 | 4.5 | 5.4 | 6.7 | 2.8 | 3.4 | 4.1 |
| Partly_Cloudy | 50 | 10 | 50 | BLACK_TOP | 10 | 0.90 | 1.15 | 1.45 | 3.2 | 4.1 | 5.2 | 2.0 | 2.6 | 3.2 |
| Partly_Cloudy | 50 | 10 | 50 | BLACK_TOP | 15 | 0.70 | 0.90 | 1.20 | 2.5 | 3.2 | 4.3 | 1.6 | 2.0 | 2.7 |
| Partly_Cloudy | 50 | 10 | 50 | BLACK_TOP | 20 | 0.55 | 0.75 | 1.00 | 2.0 | 2.7 | 3.6 | 1.2 | 1.7 | 2.2 |
| Partly_Cloudy | 50 | 10 | 50 | BLACK_TOP | 30 | 0.40 | 0.50 | 0.70 | 1.4 | 1.8 | 2.5 | 0.9 | 1.1 | 1.6 |
| Partly_Cloudy | 50 | 10 | 50 | BLACK_TOP | 40 | 0.30 | 0.40 | 0.55 | 1.1 | 1.4 | 2.0 | 0.7 | 0.9 | 1.2 |
| Partly_Cloudy | 50 | 10 | 50 | BLACK_TOP | 50 | 0.25 | 0.30 | 0.45 | 0.9 | 1.1 | 1.6 | 0.6 | 0.7 | 1.0 |
| Partly_Cloudy | 50 | 10 | 50 | DIRT_ROAD | -50 | 0.85 | 1.05 | 1.35 | 3.1 | 3.8 | 4.9 | 1.9 | 2.4 | 3.0 |
| Partly_Cloudy | 50 | 10 | 50 | DIRT_ROAD | -40 | 0.95 | 1.20 | 1.50 | 3.4 | 4.3 | 5.4 | 2.1 | 2.7 | 3.4 |
| Partly_Cloudy | 50 | 10 | 50 | DIRT_ROAD | -30 | 1.10 | 1.35 | 1.65 | 4.0 | 4.9 | 5.9 | 2.5 | 3.0 | 3.7 |
| Partly_Cloudy | 50 | 10 | 50 | DIRT_ROAD | -20 | 1.25 | 1.50 | 1.85 | 4.5 | 5.4 | 6.7 | 2.8 | 3.4 | 4.1 |
| Partly_Cloudy | 50 | 10 | 50 | DIRT_ROAD | -15 | 1.35 | 1.60 | 1.90 | 4.9 | 5.8 | 6.8 | 3.0 | 3.6 | 4.3 |
| Partly_Cloudy | 50 | 10 | 50 | DIRT_ROAD | -10 | 1.45 | 1.70 | 2.05 | 5.2 | 6.1 | 7.4 | 3.2 | 3.8 | 4.6 |
| Partly_Cloudy | 50 | 10 | 50 | DIRT_ROAD | -5 | 1.55 | 1.80 | 2.15 | 5.6 | 6.5 | 7.7 | 3.5 | 4.0 | 4.8 |
| Partly_Cloudy | 50 | 10 | 50 | DIRT_ROAD | 0 | 1.65 | 1.90 | 2.25 | 5.9 | 6.8 | 8.1 | 3.7 | 4.3 | 5.0 |
| Partly_Cloudy | 50 | 10 | 50 | DIRT_ROAD | 5 | 1.15 | 1.40 | 1.75 | 4.1 | 5.0 | 6.3 | 2.6 | 3.1 | 3.9 |
| Partly_Cloudy | 50 | 10 | 50 | DIRT_ROAD | 10 | 0.85 | 1.05 | 1.35 | 3.1 | 3.8 | 4.9 | 1.9 | 2.4 | 3.0 |
| Partly_Cloudy | 50 | 10 | 50 | DIRT_ROAD | 15 | 0.65 | 0.85 | 1.10 | 2.3 | 3.1 | 4.0 | 1.5 | 1.9 | 2.5 |
| Partly_Cloudy | 50 | 10 | 50 | DIRT_ROAD | 20 | 0.50 | 0.70 | 0.90 | 1.8 | 2.5 | 3.2 | 1.1 | 1.6 | 2.0 |
| Partly_Cloudy | 50 | 10 | 50 | DIRT_ROAD | 30 | 0.35 | 0.50 | 0.65 | 1.3 | 1.8 | 2.3 | 0.8 | 1.1 | 1.5 |
| Partly_Cloudy | 50 | 10 | 50 | DIRT_ROAD | 40 | 0.25 | 0.35 | 0.50 | 0.9 | 1.3 | 1.8 | 0.6 | 0.8 | 1.1 |
| Partly_Cloudy | 50 | 10 | 50 | DIRT_ROAD | 50 | 0.20 | 0.30 | 0.40 | 0.7 | 1.1 | 1.4 | 0.4 | 0.7 | 0.9 |
| Partly_Cloudy | 50 | 10 | 50 | LOOSE_SAND | -50 | 0.50 | 0.65 | 0.85 | 1.8 | 2.3 | 3.1 | 1.1 | 1.5 | 1.9 |
| Partly_Cloudy | 50 | 10 | 50 | LOOSE_SAND | -40 | 0.55 | 0.75 | 0.95 | 2.0 | 2.7 | 3.4 | 1.2 | 1.7 | 2.1 |
| Partly_Cloudy | 50 | 10 | 50 | LOOSE_SAND | -30 | 0.70 | 0.85 | 1.05 | 2.5 | 3.1 | 3.8 | 1.6 | 1.9 | 2.4 |
| Partly_Cloudy | 50 | 10 | 50 | LOOSE_SAND | -20 | 0.80 | 1.00 | 1.20 | 2.9 | 3.6 | 4.3 | 1.8 | 2.2 | 2.7 |
| Partly_Cloudy | 50 | 10 | 50 | LOOSE_SAND | -15 | 0.90 | 1.05 | 1.30 | 3.2 | 3.8 | 4.7 | 2.0 | 2.4 | 2.9 |
| Partly_Cloudy | 50 | 10 | 50 | LOOSE_SAND | -10 | 1.00 | 1.15 | 1.40 | 3.6 | 4.1 | 5.0 | 2.2 | 2.6 | 3.1 |
| Partly_Cloudy | 50 | 10 | 50 | LOOSE_SAND | -5 | 1.10 | 1.25 | 1.50 | 4.0 | 4.5 | 5.4 | 2.5 | 2.8 | 3.4 |
| Partly_Cloudy | 50 | 10 | 50 | LOOSE_SAND | 0 | 1.20 | 1.40 | 1.60 | 4.3 | 5.0 | 5.8 | 2.7 | 3.1 | 3.6 |
| Partly_Cloudy | 50 | 10 | 50 | LOOSE_SAND | 5 | 0.75 | 0.90 | 1.15 | 2.7 | 3.2 | 4.1 | 1.7 | 2.0 | 2.6 |
| Partly_Cloudy | 50 | 10 | 50 | LOOSE_SAND | 10 | 0.50 | 0.65 | 0.85 | 1.8 | 2.3 | 3.1 | 1.1 | 1.5 | 1.9 |
| Partly_Cloudy | 50 | 10 | 50 | LOOSE_SAND | 15 | 0.35 | 0.45 | 0.65 | 1.3 | 1.6 | 2.3 | 0.8 | 1.0 | 1.5 |
| Partly_Cloudy | 50 | 10 | 50 | LOOSE_SAND | 20 | 0.25 | 0.35 | 0.50 | 0.9 | 1.3 | 1.8 | 0.6 | 0.8 | 1.1 |
| Partly_Cloudy | 50 | 10 | 50 | LOOSE_SAND | 30 | 0.20 | 0.25 | 0.35 | 0.7 | 0.9 | 1.3 | 0.4 | 0.6 | 0.8 |
| Partly_Cloudy | 50 | 10 | 50 | LOOSE_SAND | 40 | 0.15 | 0.20 | 0.25 | 0.5 | 0.7 | 0.9 | 0.3 | 0.4 | 0.6 |
| Partly_Cloudy | 50 | 10 | 50 | LOOSE_SAND | 50 | 0.10 | 0.15 | 0.20 | 0.4 | 0.5 | 0.7 | 0.2 | 0.3 | 0.4 |

Table G-17. Maximum Sustainable Speed, Partly Cloudy, 50% Humidity, 15°C (59°F)

| Cloud Cover | RH (%) | °C | °F | Terrain Type | Grade (%) | Max Sustainable Speed (meters/second) | | | Max Sustainable Speed (kilometers/hour) | | | Max Sustainable Speed (miles/hour) | | |
|---------------|--------|----|----|--------------|-----------|---------------------------------------|------|------|---|-----|------|------------------------------------|-----|------|
| | | | | | | Risk Level | | | Risk Level | | | Risk Level | | |
| | | | | | | Low | Mod | High | Low | Mod | High | Low | Mod | High |
| Partly_Cloudy | 50 | 15 | 59 | BLACK_TOP | -50 | 0.85 | 1.05 | 1.30 | 3.1 | 3.8 | 4.7 | 1.9 | 2.4 | 2.9 |
| Partly_Cloudy | 50 | 15 | 59 | BLACK_TOP | -40 | 0.95 | 1.20 | 1.45 | 3.4 | 4.3 | 5.2 | 2.1 | 2.7 | 3.2 |
| Partly_Cloudy | 50 | 15 | 59 | BLACK_TOP | -30 | 1.05 | 1.35 | 1.60 | 3.8 | 4.9 | 5.8 | 2.4 | 3.0 | 3.6 |
| Partly_Cloudy | 50 | 15 | 59 | BLACK_TOP | -20 | 1.20 | 1.50 | 1.75 | 4.3 | 5.4 | 6.3 | 2.7 | 3.4 | 3.9 |
| Partly_Cloudy | 50 | 15 | 59 | BLACK_TOP | -15 | 1.30 | 1.60 | 1.85 | 4.7 | 5.8 | 6.7 | 2.9 | 3.6 | 4.1 |
| Partly_Cloudy | 50 | 15 | 59 | BLACK_TOP | -10 | 1.40 | 1.70 | 1.95 | 5.0 | 6.1 | 7.0 | 3.1 | 3.8 | 4.4 |
| Partly_Cloudy | 50 | 15 | 59 | BLACK_TOP | -5 | 1.50 | 1.80 | 2.05 | 5.4 | 6.5 | 7.4 | 3.4 | 4.0 | 4.6 |
| Partly_Cloudy | 50 | 15 | 59 | BLACK_TOP | 0 | 1.65 | 1.90 | 2.20 | 5.9 | 6.8 | 7.9 | 3.7 | 4.3 | 4.9 |
| Partly_Cloudy | 50 | 15 | 59 | BLACK_TOP | 5 | 1.15 | 1.40 | 1.65 | 4.1 | 5.0 | 5.9 | 2.6 | 3.1 | 3.7 |
| Partly_Cloudy | 50 | 15 | 59 | BLACK_TOP | 10 | 0.85 | 1.05 | 1.30 | 3.1 | 3.8 | 4.7 | 1.9 | 2.4 | 2.9 |
| Partly_Cloudy | 50 | 15 | 59 | BLACK_TOP | 15 | 0.65 | 0.85 | 1.05 | 2.3 | 3.1 | 3.8 | 1.5 | 1.9 | 2.4 |
| Partly_Cloudy | 50 | 15 | 59 | BLACK_TOP | 20 | 0.50 | 0.65 | 0.85 | 1.8 | 2.3 | 3.1 | 1.1 | 1.5 | 1.9 |
| Partly_Cloudy | 50 | 15 | 59 | BLACK_TOP | 30 | 0.35 | 0.45 | 0.60 | 1.3 | 1.6 | 2.2 | 0.8 | 1.0 | 1.3 |
| Partly_Cloudy | 50 | 15 | 59 | BLACK_TOP | 40 | 0.25 | 0.35 | 0.45 | 0.9 | 1.3 | 1.6 | 0.6 | 0.8 | 1.0 |
| Partly_Cloudy | 50 | 15 | 59 | BLACK_TOP | 50 | 0.20 | 0.30 | 0.40 | 0.7 | 1.1 | 1.4 | 0.4 | 0.7 | 0.9 |
| Partly_Cloudy | 50 | 15 | 59 | DIRT_ROAD | -50 | 0.75 | 1.00 | 1.20 | 2.7 | 3.6 | 4.3 | 1.7 | 2.2 | 2.7 |
| Partly_Cloudy | 50 | 15 | 59 | DIRT_ROAD | -40 | 0.85 | 1.10 | 1.35 | 3.1 | 4.0 | 4.9 | 1.9 | 2.5 | 3.0 |
| Partly_Cloudy | 50 | 15 | 59 | DIRT_ROAD | -30 | 1.00 | 1.25 | 1.50 | 3.6 | 4.5 | 5.4 | 2.2 | 2.8 | 3.4 |
| Partly_Cloudy | 50 | 15 | 59 | DIRT_ROAD | -20 | 1.15 | 1.40 | 1.65 | 4.1 | 5.0 | 5.9 | 2.6 | 3.1 | 3.7 |
| Partly_Cloudy | 50 | 15 | 59 | DIRT_ROAD | -15 | 1.25 | 1.50 | 1.75 | 4.5 | 5.4 | 6.3 | 2.8 | 3.4 | 3.9 |
| Partly_Cloudy | 50 | 15 | 59 | DIRT_ROAD | -10 | 1.35 | 1.60 | 1.85 | 4.9 | 5.8 | 6.7 | 3.0 | 3.6 | 4.1 |
| Partly_Cloudy | 50 | 15 | 59 | DIRT_ROAD | -5 | 1.45 | 1.70 | 1.95 | 5.2 | 6.1 | 7.0 | 3.2 | 3.8 | 4.4 |
| Partly_Cloudy | 50 | 15 | 59 | DIRT_ROAD | 0 | 1.55 | 1.80 | 2.10 | 5.6 | 6.5 | 7.6 | 3.5 | 4.0 | 4.7 |
| Partly_Cloudy | 50 | 15 | 59 | DIRT_ROAD | 5 | 1.05 | 1.30 | 1.55 | 3.8 | 4.7 | 5.6 | 2.4 | 2.9 | 3.5 |
| Partly_Cloudy | 50 | 15 | 59 | DIRT_ROAD | 10 | 0.75 | 1.00 | 1.20 | 2.7 | 3.6 | 4.3 | 1.7 | 2.2 | 2.7 |
| Partly_Cloudy | 50 | 15 | 59 | DIRT_ROAD | 15 | 0.60 | 0.75 | 0.95 | 2.2 | 2.7 | 3.4 | 1.3 | 1.7 | 2.1 |
| Partly_Cloudy | 50 | 15 | 59 | DIRT_ROAD | 20 | 0.45 | 0.60 | 0.80 | 1.6 | 2.2 | 2.9 | 1.0 | 1.3 | 1.8 |
| Partly_Cloudy | 50 | 15 | 59 | DIRT_ROAD | 30 | 0.30 | 0.45 | 0.55 | 1.1 | 1.6 | 2.0 | 0.7 | 1.0 | 1.2 |
| Partly_Cloudy | 50 | 15 | 59 | DIRT_ROAD | 40 | 0.25 | 0.30 | 0.45 | 0.9 | 1.1 | 1.6 | 0.6 | 0.7 | 1.0 |
| Partly_Cloudy | 50 | 15 | 59 | DIRT_ROAD | 50 | 0.20 | 0.25 | 0.35 | 0.7 | 0.9 | 1.3 | 0.4 | 0.6 | 0.8 |
| Partly_Cloudy | 50 | 15 | 59 | LOOSE_SAND | -50 | 0.45 | 0.60 | 0.75 | 1.6 | 2.2 | 2.7 | 1.0 | 1.3 | 1.7 |
| Partly_Cloudy | 50 | 15 | 59 | LOOSE_SAND | -40 | 0.50 | 0.65 | 0.85 | 1.8 | 2.3 | 3.1 | 1.1 | 1.5 | 1.9 |
| Partly_Cloudy | 50 | 15 | 59 | LOOSE_SAND | -30 | 0.60 | 0.80 | 0.95 | 2.2 | 2.9 | 3.4 | 1.3 | 1.8 | 2.1 |
| Partly_Cloudy | 50 | 15 | 59 | LOOSE_SAND | -20 | 0.75 | 0.90 | 1.10 | 2.7 | 3.2 | 4.0 | 1.7 | 2.0 | 2.5 |
| Partly_Cloudy | 50 | 15 | 59 | LOOSE_SAND | -15 | 0.80 | 1.00 | 1.20 | 2.9 | 3.6 | 4.3 | 1.8 | 2.2 | 2.7 |
| Partly_Cloudy | 50 | 15 | 59 | LOOSE_SAND | -10 | 0.90 | 1.10 | 1.30 | 3.2 | 4.0 | 4.7 | 2.0 | 2.5 | 2.9 |
| Partly_Cloudy | 50 | 15 | 59 | LOOSE_SAND | -5 | 1.00 | 1.20 | 1.40 | 3.6 | 4.3 | 5.0 | 2.2 | 2.7 | 3.1 |
| Partly_Cloudy | 50 | 15 | 59 | LOOSE_SAND | 0 | 1.10 | 1.30 | 1.50 | 4.0 | 4.7 | 5.4 | 2.5 | 2.9 | 3.4 |
| Partly_Cloudy | 50 | 15 | 59 | LOOSE_SAND | 5 | 0.65 | 0.85 | 1.00 | 2.3 | 3.1 | 3.6 | 1.5 | 1.9 | 2.2 |
| Partly_Cloudy | 50 | 15 | 59 | LOOSE_SAND | 10 | 0.45 | 0.60 | 0.75 | 1.6 | 2.2 | 2.7 | 1.0 | 1.3 | 1.7 |
| Partly_Cloudy | 50 | 15 | 59 | LOOSE_SAND | 15 | 0.30 | 0.40 | 0.55 | 1.1 | 1.4 | 2.0 | 0.7 | 0.9 | 1.2 |
| Partly_Cloudy | 50 | 15 | 59 | LOOSE_SAND | 20 | 0.25 | 0.35 | 0.45 | 0.9 | 1.3 | 1.6 | 0.6 | 0.8 | 1.0 |
| Partly_Cloudy | 50 | 15 | 59 | LOOSE_SAND | 30 | 0.15 | 0.20 | 0.30 | 0.5 | 0.7 | 1.1 | 0.3 | 0.4 | 0.7 |
| Partly_Cloudy | 50 | 15 | 59 | LOOSE_SAND | 40 | 0.10 | 0.15 | 0.20 | 0.4 | 0.5 | 0.7 | 0.2 | 0.3 | 0.4 |
| Partly_Cloudy | 50 | 15 | 59 | LOOSE_SAND | 50 | 0.10 | 0.15 | 0.15 | 0.4 | 0.5 | 0.5 | 0.2 | 0.3 | 0.3 |

Table G-18. Maximum Sustainable Speed, Partly Cloudy, 50% Humidity, 20°C (68°F)

| Cloud Cover | RH (%) | °C | °F | Terrain Type | Grade (%) | Max Sustainable Speed (meters/second) | | | Max Sustainable Speed (kilometers/hour) | | | Max Sustainable Speed (miles/hour) | | |
|---------------|--------|----|----|--------------|-----------|---------------------------------------|------|------|---|-----|------|------------------------------------|-----|------|
| | | | | | | Risk Level | | | Risk Level | | | Risk Level | | |
| | | | | | | Low | Mod | High | Low | Mod | High | Low | Mod | High |
| Partly_Cloudy | 50 | 20 | 68 | BLACK_TOP | -50 | 0.75 | 0.95 | 1.15 | 2.7 | 3.4 | 4.1 | 1.7 | 2.1 | 2.6 |
| Partly_Cloudy | 50 | 20 | 68 | BLACK_TOP | -40 | 0.85 | 1.10 | 1.25 | 3.1 | 4.0 | 4.5 | 1.9 | 2.5 | 2.8 |
| Partly_Cloudy | 50 | 20 | 68 | BLACK_TOP | -30 | 0.95 | 1.20 | 1.40 | 3.4 | 4.3 | 5.0 | 2.1 | 2.7 | 3.1 |
| Partly_Cloudy | 50 | 20 | 68 | BLACK_TOP | -20 | 1.10 | 1.40 | 1.55 | 4.0 | 5.0 | 5.6 | 2.5 | 3.1 | 3.5 |
| Partly_Cloudy | 50 | 20 | 68 | BLACK_TOP | -15 | 1.20 | 1.45 | 1.65 | 4.3 | 5.2 | 5.9 | 2.7 | 3.2 | 3.7 |
| Partly_Cloudy | 50 | 20 | 68 | BLACK_TOP | -10 | 1.30 | 1.55 | 1.75 | 4.7 | 5.6 | 6.3 | 2.9 | 3.5 | 3.9 |
| Partly_Cloudy | 50 | 20 | 68 | BLACK_TOP | -5 | 1.40 | 1.65 | 1.85 | 5.0 | 5.9 | 6.7 | 3.1 | 3.7 | 4.1 |
| Partly_Cloudy | 50 | 20 | 68 | BLACK_TOP | 0 | 1.50 | 1.80 | 2.00 | 5.4 | 6.5 | 7.2 | 3.4 | 4.0 | 4.5 |
| Partly_Cloudy | 50 | 20 | 68 | BLACK_TOP | 5 | 1.05 | 1.30 | 1.50 | 3.8 | 4.7 | 5.4 | 2.4 | 2.9 | 3.4 |
| Partly_Cloudy | 50 | 20 | 68 | BLACK_TOP | 10 | 0.75 | 0.95 | 1.15 | 2.7 | 3.4 | 4.1 | 1.7 | 2.1 | 2.6 |
| Partly_Cloudy | 50 | 20 | 68 | BLACK_TOP | 15 | 0.55 | 0.75 | 0.90 | 2.0 | 2.7 | 3.2 | 1.2 | 1.7 | 2.0 |
| Partly_Cloudy | 50 | 20 | 68 | BLACK_TOP | 20 | 0.45 | 0.60 | 0.70 | 1.6 | 2.2 | 2.5 | 1.0 | 1.3 | 1.6 |
| Partly_Cloudy | 50 | 20 | 68 | BLACK_TOP | 30 | 0.30 | 0.40 | 0.50 | 1.1 | 1.4 | 1.8 | 0.7 | 0.9 | 1.1 |
| Partly_Cloudy | 50 | 20 | 68 | BLACK_TOP | 40 | 0.20 | 0.30 | 0.40 | 0.7 | 1.1 | 1.4 | 0.4 | 0.7 | 0.9 |
| Partly_Cloudy | 50 | 20 | 68 | BLACK_TOP | 50 | 0.15 | 0.25 | 0.30 | 0.5 | 0.9 | 1.1 | 0.3 | 0.6 | 0.7 |
| Partly_Cloudy | 50 | 20 | 68 | DIRT_ROAD | -50 | 0.70 | 0.90 | 1.05 | 2.5 | 3.2 | 3.8 | 1.6 | 2.0 | 2.4 |
| Partly_Cloudy | 50 | 20 | 68 | DIRT_ROAD | -40 | 0.80 | 1.00 | 1.15 | 2.9 | 3.6 | 4.1 | 1.8 | 2.2 | 2.6 |
| Partly_Cloudy | 50 | 20 | 68 | DIRT_ROAD | -30 | 0.90 | 1.15 | 1.30 | 3.2 | 4.1 | 4.7 | 2.0 | 2.6 | 2.9 |
| Partly_Cloudy | 50 | 20 | 68 | DIRT_ROAD | -20 | 1.05 | 1.30 | 1.50 | 3.8 | 4.7 | 5.4 | 2.4 | 2.9 | 3.4 |
| Partly_Cloudy | 50 | 20 | 68 | DIRT_ROAD | -15 | 1.15 | 1.40 | 1.55 | 4.1 | 5.0 | 5.6 | 2.6 | 3.1 | 3.5 |
| Partly_Cloudy | 50 | 20 | 68 | DIRT_ROAD | -10 | 1.20 | 1.50 | 1.65 | 4.3 | 5.4 | 5.9 | 2.7 | 3.4 | 3.7 |
| Partly_Cloudy | 50 | 20 | 68 | DIRT_ROAD | -5 | 1.35 | 1.60 | 1.75 | 4.9 | 5.8 | 6.3 | 3.0 | 3.6 | 3.9 |
| Partly_Cloudy | 50 | 20 | 68 | DIRT_ROAD | 0 | 1.45 | 1.70 | 1.90 | 5.2 | 6.1 | 6.8 | 3.2 | 3.8 | 4.3 |
| Partly_Cloudy | 50 | 20 | 68 | DIRT_ROAD | 5 | 0.95 | 1.20 | 1.40 | 3.4 | 4.3 | 5.0 | 2.1 | 2.7 | 3.1 |
| Partly_Cloudy | 50 | 20 | 68 | DIRT_ROAD | 10 | 0.70 | 0.90 | 1.05 | 2.5 | 3.2 | 3.8 | 1.6 | 2.0 | 2.4 |
| Partly_Cloudy | 50 | 20 | 68 | DIRT_ROAD | 15 | 0.50 | 0.70 | 0.80 | 1.8 | 2.5 | 2.9 | 1.1 | 1.6 | 1.8 |
| Partly_Cloudy | 50 | 20 | 68 | DIRT_ROAD | 20 | 0.40 | 0.55 | 0.65 | 1.4 | 2.0 | 2.3 | 0.9 | 1.2 | 1.5 |
| Partly_Cloudy | 50 | 20 | 68 | DIRT_ROAD | 30 | 0.25 | 0.40 | 0.45 | 0.9 | 1.4 | 1.6 | 0.6 | 0.9 | 1.0 |
| Partly_Cloudy | 50 | 20 | 68 | DIRT_ROAD | 40 | 0.20 | 0.30 | 0.35 | 0.7 | 1.1 | 1.3 | 0.4 | 0.7 | 0.8 |
| Partly_Cloudy | 50 | 20 | 68 | DIRT_ROAD | 50 | 0.15 | 0.20 | 0.30 | 0.5 | 0.7 | 1.1 | 0.3 | 0.4 | 0.7 |
| Partly_Cloudy | 50 | 20 | 68 | LOOSE_SAND | -50 | 0.40 | 0.50 | 0.60 | 1.4 | 1.8 | 2.2 | 0.9 | 1.1 | 1.3 |
| Partly_Cloudy | 50 | 20 | 68 | LOOSE_SAND | -40 | 0.45 | 0.60 | 0.70 | 1.6 | 2.2 | 2.5 | 1.0 | 1.3 | 1.6 |
| Partly_Cloudy | 50 | 20 | 68 | LOOSE_SAND | -30 | 0.55 | 0.70 | 0.85 | 2.0 | 2.5 | 3.1 | 1.2 | 1.6 | 1.9 |
| Partly_Cloudy | 50 | 20 | 68 | LOOSE_SAND | -20 | 0.65 | 0.85 | 0.95 | 2.3 | 3.1 | 3.4 | 1.5 | 1.9 | 2.1 |
| Partly_Cloudy | 50 | 20 | 68 | LOOSE_SAND | -15 | 0.75 | 0.90 | 1.05 | 2.7 | 3.2 | 3.8 | 1.7 | 2.0 | 2.4 |
| Partly_Cloudy | 50 | 20 | 68 | LOOSE_SAND | -10 | 0.85 | 1.00 | 1.15 | 3.1 | 3.6 | 4.1 | 1.9 | 2.2 | 2.6 |
| Partly_Cloudy | 50 | 20 | 68 | LOOSE_SAND | -5 | 0.90 | 1.10 | 1.25 | 3.2 | 4.0 | 4.5 | 2.0 | 2.5 | 2.8 |
| Partly_Cloudy | 50 | 20 | 68 | LOOSE_SAND | 0 | 1.05 | 1.20 | 1.35 | 3.8 | 4.3 | 4.9 | 2.4 | 2.7 | 3.0 |
| Partly_Cloudy | 50 | 20 | 68 | LOOSE_SAND | 5 | 0.60 | 0.75 | 0.90 | 2.2 | 2.7 | 3.2 | 1.3 | 1.7 | 2.0 |
| Partly_Cloudy | 50 | 20 | 68 | LOOSE_SAND | 10 | 0.40 | 0.50 | 0.60 | 1.4 | 1.8 | 2.2 | 0.9 | 1.1 | 1.3 |
| Partly_Cloudy | 50 | 20 | 68 | LOOSE_SAND | 15 | 0.25 | 0.35 | 0.45 | 0.9 | 1.3 | 1.6 | 0.6 | 0.8 | 1.0 |
| Partly_Cloudy | 50 | 20 | 68 | LOOSE_SAND | 20 | 0.20 | 0.30 | 0.35 | 0.7 | 1.1 | 1.3 | 0.4 | 0.7 | 0.8 |
| Partly_Cloudy | 50 | 20 | 68 | LOOSE_SAND | 30 | 0.15 | 0.20 | 0.25 | 0.5 | 0.7 | 0.9 | 0.3 | 0.4 | 0.6 |
| Partly_Cloudy | 50 | 20 | 68 | LOOSE_SAND | 40 | 0.10 | 0.15 | 0.20 | 0.4 | 0.5 | 0.7 | 0.2 | 0.3 | 0.4 |
| Partly_Cloudy | 50 | 20 | 68 | LOOSE_SAND | 50 | 0.05 | 0.10 | 0.15 | 0.2 | 0.4 | 0.5 | 0.1 | 0.2 | 0.3 |

Table G-19. Maximum Sustainable Speed, Partly Cloudy, 50% Humidity, 25°C (77°F)

| Cloud Cover | RH (%) | °C | °F | Terrain Type | Grade (%) | Max Sustainable Speed (meters/second) | | | Max Sustainable Speed (kilometers/hour) | | | Max Sustainable Speed (miles/hour) | | |
|---------------|--------|----|----|--------------|-----------|---------------------------------------|------|------|---|-----|------|------------------------------------|-----|------|
| | | | | | | Risk Level | | | Risk Level | | | Risk Level | | |
| | | | | | | Low | Mod | High | Low | Mod | High | Low | Mod | High |
| Partly_Cloudy | 50 | 25 | 77 | BLACK_TOP | -50 | 0.65 | 0.80 | 0.95 | 2.3 | 2.9 | 3.4 | 1.5 | 1.8 | 2.1 |
| Partly_Cloudy | 50 | 25 | 77 | BLACK_TOP | -40 | 0.75 | 0.90 | 1.05 | 2.7 | 3.2 | 3.8 | 1.7 | 2.0 | 2.4 |
| Partly_Cloudy | 50 | 25 | 77 | BLACK_TOP | -30 | 0.85 | 1.05 | 1.20 | 3.1 | 3.8 | 4.3 | 1.9 | 2.4 | 2.7 |
| Partly_Cloudy | 50 | 25 | 77 | BLACK_TOP | -20 | 1.00 | 1.20 | 1.35 | 3.6 | 4.3 | 4.9 | 2.2 | 2.7 | 3.0 |
| Partly_Cloudy | 50 | 25 | 77 | BLACK_TOP | -15 | 1.10 | 1.25 | 1.45 | 4.0 | 4.5 | 5.2 | 2.5 | 2.8 | 3.2 |
| Partly_Cloudy | 50 | 25 | 77 | BLACK_TOP | -10 | 1.15 | 1.35 | 1.55 | 4.1 | 4.9 | 5.6 | 2.6 | 3.0 | 3.5 |
| Partly_Cloudy | 50 | 25 | 77 | BLACK_TOP | -5 | 1.30 | 1.45 | 1.65 | 4.7 | 5.2 | 5.9 | 2.9 | 3.2 | 3.7 |
| Partly_Cloudy | 50 | 25 | 77 | BLACK_TOP | 0 | 1.40 | 1.60 | 1.75 | 5.0 | 5.8 | 6.3 | 3.1 | 3.6 | 3.9 |
| Partly_Cloudy | 50 | 25 | 77 | BLACK_TOP | 5 | 0.90 | 1.10 | 1.25 | 3.2 | 4.0 | 4.5 | 2.0 | 2.5 | 2.8 |
| Partly_Cloudy | 50 | 25 | 77 | BLACK_TOP | 10 | 0.65 | 0.80 | 0.95 | 2.3 | 2.9 | 3.4 | 1.5 | 1.8 | 2.1 |
| Partly_Cloudy | 50 | 25 | 77 | BLACK_TOP | 15 | 0.45 | 0.60 | 0.70 | 1.6 | 2.2 | 2.5 | 1.0 | 1.3 | 1.6 |
| Partly_Cloudy | 50 | 25 | 77 | BLACK_TOP | 20 | 0.35 | 0.45 | 0.55 | 1.3 | 1.6 | 2.0 | 0.8 | 1.0 | 1.2 |
| Partly_Cloudy | 50 | 25 | 77 | BLACK_TOP | 30 | 0.25 | 0.35 | 0.40 | 0.9 | 1.3 | 1.4 | 0.6 | 0.8 | 0.9 |
| Partly_Cloudy | 50 | 25 | 77 | BLACK_TOP | 40 | 0.20 | 0.25 | 0.30 | 0.7 | 0.9 | 1.1 | 0.4 | 0.6 | 0.7 |
| Partly_Cloudy | 50 | 25 | 77 | BLACK_TOP | 50 | 0.15 | 0.20 | 0.25 | 0.5 | 0.7 | 0.9 | 0.3 | 0.4 | 0.6 |
| Partly_Cloudy | 50 | 25 | 77 | DIRT_ROAD | -50 | 0.60 | 0.75 | 0.85 | 2.2 | 2.7 | 3.1 | 1.3 | 1.7 | 1.9 |
| Partly_Cloudy | 50 | 25 | 77 | DIRT_ROAD | -40 | 0.70 | 0.85 | 0.95 | 2.5 | 3.1 | 3.4 | 1.6 | 1.9 | 2.1 |
| Partly_Cloudy | 50 | 25 | 77 | DIRT_ROAD | -30 | 0.80 | 0.95 | 1.10 | 2.9 | 3.4 | 4.0 | 1.8 | 2.1 | 2.5 |
| Partly_Cloudy | 50 | 25 | 77 | DIRT_ROAD | -20 | 0.95 | 1.10 | 1.25 | 3.4 | 4.0 | 4.5 | 2.1 | 2.5 | 2.8 |
| Partly_Cloudy | 50 | 25 | 77 | DIRT_ROAD | -15 | 1.00 | 1.20 | 1.35 | 3.6 | 4.3 | 4.9 | 2.2 | 2.7 | 3.0 |
| Partly_Cloudy | 50 | 25 | 77 | DIRT_ROAD | -10 | 1.10 | 1.30 | 1.45 | 4.0 | 4.7 | 5.2 | 2.5 | 2.9 | 3.2 |
| Partly_Cloudy | 50 | 25 | 77 | DIRT_ROAD | -5 | 1.20 | 1.40 | 1.55 | 4.3 | 5.0 | 5.6 | 2.7 | 3.1 | 3.5 |
| Partly_Cloudy | 50 | 25 | 77 | DIRT_ROAD | 0 | 1.30 | 1.50 | 1.65 | 4.7 | 5.4 | 5.9 | 2.9 | 3.4 | 3.7 |
| Partly_Cloudy | 50 | 25 | 77 | DIRT_ROAD | 5 | 0.85 | 1.05 | 1.20 | 3.1 | 3.8 | 4.3 | 1.9 | 2.4 | 2.7 |
| Partly_Cloudy | 50 | 25 | 77 | DIRT_ROAD | 10 | 0.60 | 0.75 | 0.85 | 2.2 | 2.7 | 3.1 | 1.3 | 1.7 | 1.9 |
| Partly_Cloudy | 50 | 25 | 77 | DIRT_ROAD | 15 | 0.45 | 0.55 | 0.65 | 1.6 | 2.0 | 2.3 | 1.0 | 1.2 | 1.5 |
| Partly_Cloudy | 50 | 25 | 77 | DIRT_ROAD | 20 | 0.35 | 0.45 | 0.50 | 1.3 | 1.6 | 1.8 | 0.8 | 1.0 | 1.1 |
| Partly_Cloudy | 50 | 25 | 77 | DIRT_ROAD | 30 | 0.25 | 0.30 | 0.35 | 0.9 | 1.1 | 1.3 | 0.6 | 0.7 | 0.8 |
| Partly_Cloudy | 50 | 25 | 77 | DIRT_ROAD | 40 | 0.15 | 0.20 | 0.25 | 0.5 | 0.7 | 0.9 | 0.3 | 0.4 | 0.6 |
| Partly_Cloudy | 50 | 25 | 77 | DIRT_ROAD | 50 | 0.15 | 0.15 | 0.20 | 0.5 | 0.5 | 0.7 | 0.3 | 0.3 | 0.4 |
| Partly_Cloudy | 50 | 25 | 77 | LOOSE_SAND | -50 | 0.35 | 0.40 | 0.50 | 1.3 | 1.4 | 1.8 | 0.8 | 0.9 | 1.1 |
| Partly_Cloudy | 50 | 25 | 77 | LOOSE_SAND | -40 | 0.40 | 0.50 | 0.60 | 1.4 | 1.8 | 2.2 | 0.9 | 1.1 | 1.3 |
| Partly_Cloudy | 50 | 25 | 77 | LOOSE_SAND | -30 | 0.50 | 0.60 | 0.70 | 1.8 | 2.2 | 2.5 | 1.1 | 1.3 | 1.6 |
| Partly_Cloudy | 50 | 25 | 77 | LOOSE_SAND | -20 | 0.60 | 0.70 | 0.80 | 2.2 | 2.5 | 2.9 | 1.3 | 1.6 | 1.8 |
| Partly_Cloudy | 50 | 25 | 77 | LOOSE_SAND | -15 | 0.65 | 0.80 | 0.90 | 2.3 | 2.9 | 3.2 | 1.5 | 1.8 | 2.0 |
| Partly_Cloudy | 50 | 25 | 77 | LOOSE_SAND | -10 | 0.75 | 0.85 | 1.00 | 2.7 | 3.1 | 3.6 | 1.7 | 1.9 | 2.2 |
| Partly_Cloudy | 50 | 25 | 77 | LOOSE_SAND | -5 | 0.85 | 0.95 | 1.10 | 3.1 | 3.4 | 4.0 | 1.9 | 2.1 | 2.5 |
| Partly_Cloudy | 50 | 25 | 77 | LOOSE_SAND | 0 | 0.95 | 1.10 | 1.20 | 3.4 | 4.0 | 4.3 | 2.1 | 2.5 | 2.7 |
| Partly_Cloudy | 50 | 25 | 77 | LOOSE_SAND | 5 | 0.55 | 0.65 | 0.75 | 2.0 | 2.3 | 2.7 | 1.2 | 1.5 | 1.7 |
| Partly_Cloudy | 50 | 25 | 77 | LOOSE_SAND | 10 | 0.35 | 0.40 | 0.50 | 1.3 | 1.4 | 1.8 | 0.8 | 0.9 | 1.1 |
| Partly_Cloudy | 50 | 25 | 77 | LOOSE_SAND | 15 | 0.25 | 0.30 | 0.35 | 0.9 | 1.1 | 1.3 | 0.6 | 0.7 | 0.8 |
| Partly_Cloudy | 50 | 25 | 77 | LOOSE_SAND | 20 | 0.15 | 0.20 | 0.30 | 0.5 | 0.7 | 1.1 | 0.3 | 0.4 | 0.7 |
| Partly_Cloudy | 50 | 25 | 77 | LOOSE_SAND | 30 | 0.10 | 0.15 | 0.20 | 0.4 | 0.5 | 0.7 | 0.2 | 0.3 | 0.4 |
| Partly_Cloudy | 50 | 25 | 77 | LOOSE_SAND | 40 | 0.10 | 0.10 | 0.15 | 0.4 | 0.4 | 0.5 | 0.2 | 0.2 | 0.3 |
| Partly_Cloudy | 50 | 25 | 77 | LOOSE_SAND | 50 | 0.05 | 0.10 | 0.10 | 0.2 | 0.4 | 0.4 | 0.1 | 0.2 | 0.2 |

Table G-20. Maximum Sustainable Speed, Partly Cloudy, 50% Humidity, 30°C (86°F)

| Cloud Cover | RH (%) | °C | °F | Terrain Type | Grade (%) | Max Sustainable Speed (meters/second) | | | Max Sustainable Speed (kilometers/hour) | | | Max Sustainable Speed (miles/hour) | | |
|---------------|--------|----|----|--------------|-----------|---------------------------------------|------|------|---|-----|------|------------------------------------|-----|------|
| | | | | | | Risk Level | | | Risk Level | | | Risk Level | | |
| | | | | | | Low | Mod | High | Low | Mod | High | Low | Mod | High |
| Partly_Cloudy | 50 | 30 | 86 | BLACK_TOP | -50 | 0.50 | 0.55 | 0.70 | 1.8 | 2.0 | 2.5 | 1.1 | 1.2 | 1.6 |
| Partly_Cloudy | 50 | 30 | 86 | BLACK_TOP | -40 | 0.55 | 0.65 | 0.80 | 2.0 | 2.3 | 2.9 | 1.2 | 1.5 | 1.8 |
| Partly_Cloudy | 50 | 30 | 86 | BLACK_TOP | -30 | 0.65 | 0.75 | 0.90 | 2.3 | 2.7 | 3.2 | 1.5 | 1.7 | 2.0 |
| Partly_Cloudy | 50 | 30 | 86 | BLACK_TOP | -20 | 0.80 | 0.90 | 1.05 | 2.9 | 3.2 | 3.8 | 1.8 | 2.0 | 2.4 |
| Partly_Cloudy | 50 | 30 | 86 | BLACK_TOP | -15 | 0.90 | 1.00 | 1.15 | 3.2 | 3.6 | 4.1 | 2.0 | 2.2 | 2.6 |
| Partly_Cloudy | 50 | 30 | 86 | BLACK_TOP | -10 | 0.95 | 1.10 | 1.25 | 3.4 | 4.0 | 4.5 | 2.1 | 2.5 | 2.8 |
| Partly_Cloudy | 50 | 30 | 86 | BLACK_TOP | -5 | 1.05 | 1.20 | 1.35 | 3.8 | 4.3 | 4.9 | 2.4 | 2.7 | 3.0 |
| Partly_Cloudy | 50 | 30 | 86 | BLACK_TOP | 0 | 1.20 | 1.30 | 1.45 | 4.3 | 4.7 | 5.2 | 2.7 | 2.9 | 3.2 |
| Partly_Cloudy | 50 | 30 | 86 | BLACK_TOP | 5 | 0.75 | 0.85 | 1.00 | 2.7 | 3.1 | 3.6 | 1.7 | 1.9 | 2.2 |
| Partly_Cloudy | 50 | 30 | 86 | BLACK_TOP | 10 | 0.50 | 0.55 | 0.70 | 1.8 | 2.0 | 2.5 | 1.1 | 1.2 | 1.6 |
| Partly_Cloudy | 50 | 30 | 86 | BLACK_TOP | 15 | 0.35 | 0.40 | 0.50 | 1.3 | 1.4 | 1.8 | 0.8 | 0.9 | 1.1 |
| Partly_Cloudy | 50 | 30 | 86 | BLACK_TOP | 20 | 0.25 | 0.35 | 0.40 | 0.9 | 1.3 | 1.4 | 0.6 | 0.8 | 0.9 |
| Partly_Cloudy | 50 | 30 | 86 | BLACK_TOP | 30 | 0.20 | 0.20 | 0.25 | 0.7 | 0.7 | 0.9 | 0.4 | 0.4 | 0.6 |
| Partly_Cloudy | 50 | 30 | 86 | BLACK_TOP | 40 | 0.15 | 0.15 | 0.20 | 0.5 | 0.5 | 0.7 | 0.3 | 0.3 | 0.4 |
| Partly_Cloudy | 50 | 30 | 86 | BLACK_TOP | 50 | 0.10 | 0.10 | 0.15 | 0.4 | 0.4 | 0.5 | 0.2 | 0.2 | 0.3 |
| Partly_Cloudy | 50 | 30 | 86 | DIRT_ROAD | -50 | 0.45 | 0.55 | 0.65 | 1.6 | 2.0 | 2.3 | 1.0 | 1.2 | 1.5 |
| Partly_Cloudy | 50 | 30 | 86 | DIRT_ROAD | -40 | 0.50 | 0.60 | 0.75 | 1.8 | 2.2 | 2.7 | 1.1 | 1.3 | 1.7 |
| Partly_Cloudy | 50 | 30 | 86 | DIRT_ROAD | -30 | 0.60 | 0.70 | 0.85 | 2.2 | 2.5 | 3.1 | 1.3 | 1.6 | 1.9 |
| Partly_Cloudy | 50 | 30 | 86 | DIRT_ROAD | -20 | 0.75 | 0.85 | 1.00 | 2.7 | 3.1 | 3.6 | 1.7 | 1.9 | 2.2 |
| Partly_Cloudy | 50 | 30 | 86 | DIRT_ROAD | -15 | 0.85 | 0.95 | 1.10 | 3.1 | 3.4 | 4.0 | 1.9 | 2.1 | 2.5 |
| Partly_Cloudy | 50 | 30 | 86 | DIRT_ROAD | -10 | 0.90 | 1.05 | 1.15 | 3.2 | 3.8 | 4.1 | 2.0 | 2.4 | 2.6 |
| Partly_Cloudy | 50 | 30 | 86 | DIRT_ROAD | -5 | 1.00 | 1.15 | 1.25 | 3.6 | 4.1 | 4.5 | 2.2 | 2.6 | 2.8 |
| Partly_Cloudy | 50 | 30 | 86 | DIRT_ROAD | 0 | 1.15 | 1.25 | 1.40 | 4.1 | 4.5 | 5.0 | 2.6 | 2.8 | 3.1 |
| Partly_Cloudy | 50 | 30 | 86 | DIRT_ROAD | 5 | 0.70 | 0.80 | 0.90 | 2.5 | 2.9 | 3.2 | 1.6 | 1.8 | 2.0 |
| Partly_Cloudy | 50 | 30 | 86 | DIRT_ROAD | 10 | 0.45 | 0.55 | 0.65 | 1.6 | 2.0 | 2.3 | 1.0 | 1.2 | 1.5 |
| Partly_Cloudy | 50 | 30 | 86 | DIRT_ROAD | 15 | 0.30 | 0.40 | 0.45 | 1.1 | 1.4 | 1.6 | 0.7 | 0.9 | 1.0 |
| Partly_Cloudy | 50 | 30 | 86 | DIRT_ROAD | 20 | 0.25 | 0.30 | 0.35 | 0.9 | 1.1 | 1.3 | 0.6 | 0.7 | 0.8 |
| Partly_Cloudy | 50 | 30 | 86 | DIRT_ROAD | 30 | 0.15 | 0.20 | 0.25 | 0.5 | 0.7 | 0.9 | 0.3 | 0.4 | 0.6 |
| Partly_Cloudy | 50 | 30 | 86 | DIRT_ROAD | 40 | 0.10 | 0.15 | 0.20 | 0.4 | 0.5 | 0.7 | 0.2 | 0.3 | 0.4 |
| Partly_Cloudy | 50 | 30 | 86 | DIRT_ROAD | 50 | 0.10 | 0.10 | 0.15 | 0.4 | 0.4 | 0.5 | 0.2 | 0.2 | 0.3 |
| Partly_Cloudy | 50 | 30 | 86 | LOOSE_SAND | -50 | 0.25 | 0.30 | 0.35 | 0.9 | 1.1 | 1.3 | 0.6 | 0.7 | 0.8 |
| Partly_Cloudy | 50 | 30 | 86 | LOOSE_SAND | -40 | 0.30 | 0.35 | 0.45 | 1.1 | 1.3 | 1.6 | 0.7 | 0.8 | 1.0 |
| Partly_Cloudy | 50 | 30 | 86 | LOOSE_SAND | -30 | 0.35 | 0.45 | 0.50 | 1.3 | 1.6 | 1.8 | 0.8 | 1.0 | 1.1 |
| Partly_Cloudy | 50 | 30 | 86 | LOOSE_SAND | -20 | 0.45 | 0.55 | 0.65 | 1.6 | 2.0 | 2.3 | 1.0 | 1.2 | 1.5 |
| Partly_Cloudy | 50 | 30 | 86 | LOOSE_SAND | -15 | 0.55 | 0.60 | 0.70 | 2.0 | 2.2 | 2.5 | 1.2 | 1.3 | 1.6 |
| Partly_Cloudy | 50 | 30 | 86 | LOOSE_SAND | -10 | 0.60 | 0.70 | 0.80 | 2.2 | 2.5 | 2.9 | 1.3 | 1.6 | 1.8 |
| Partly_Cloudy | 50 | 30 | 86 | LOOSE_SAND | -5 | 0.70 | 0.80 | 0.90 | 2.5 | 2.9 | 3.2 | 1.6 | 1.8 | 2.0 |
| Partly_Cloudy | 50 | 30 | 86 | LOOSE_SAND | 0 | 0.80 | 0.90 | 1.00 | 2.9 | 3.2 | 3.6 | 1.8 | 2.0 | 2.2 |
| Partly_Cloudy | 50 | 30 | 86 | LOOSE_SAND | 5 | 0.40 | 0.50 | 0.55 | 1.4 | 1.8 | 2.0 | 0.9 | 1.1 | 1.2 |
| Partly_Cloudy | 50 | 30 | 86 | LOOSE_SAND | 10 | 0.25 | 0.30 | 0.35 | 0.9 | 1.1 | 1.3 | 0.6 | 0.7 | 0.8 |
| Partly_Cloudy | 50 | 30 | 86 | LOOSE_SAND | 15 | 0.15 | 0.20 | 0.25 | 0.5 | 0.7 | 0.9 | 0.3 | 0.4 | 0.6 |
| Partly_Cloudy | 50 | 30 | 86 | LOOSE_SAND | 20 | 0.10 | 0.15 | 0.20 | 0.4 | 0.5 | 0.7 | 0.2 | 0.3 | 0.4 |
| Partly_Cloudy | 50 | 30 | 86 | LOOSE_SAND | 30 | 0.05 | 0.10 | 0.10 | 0.2 | 0.4 | 0.4 | 0.1 | 0.2 | 0.2 |
| Partly_Cloudy | 50 | 30 | 86 | LOOSE_SAND | 40 | 0.05 | 0.05 | 0.10 | 0.2 | 0.2 | 0.4 | 0.1 | 0.1 | 0.2 |
| Partly_Cloudy | 50 | 30 | 86 | LOOSE_SAND | 50 | 0.05 | 0.05 | 0.05 | 0.2 | 0.2 | 0.2 | 0.1 | 0.1 | 0.1 |

Table G-21. Maximum Sustainable Speed, Partly Cloudy, 50% Humidity, 35°C (95°F)

| Cloud Cover | RH (%) | °C | °F | Terrain Type | Grade (%) | Max Sustainable Speed (meters/second) | | | Max Sustainable Speed (kilometers/hour) | | | Max Sustainable Speed (miles/hour) | | |
|---------------|--------|----|----|--------------|-----------|---------------------------------------|------|------|---|-----|------|------------------------------------|-----|------|
| | | | | | | Risk Level | | | Risk Level | | | Risk Level | | |
| | | | | | | Low | Mod | High | Low | Mod | High | Low | Mod | High |
| Partly_Cloudy | 50 | 35 | 95 | BLACK_TOP | -50 | 0.25 | 0.30 | 0.40 | 0.9 | 1.1 | 1.4 | 0.6 | 0.7 | 0.9 |
| Partly_Cloudy | 50 | 35 | 95 | BLACK_TOP | -40 | 0.30 | 0.35 | 0.50 | 1.1 | 1.3 | 1.8 | 0.7 | 0.8 | 1.1 |
| Partly_Cloudy | 50 | 35 | 95 | BLACK_TOP | -30 | 0.35 | 0.40 | 0.55 | 1.3 | 1.4 | 2.0 | 0.8 | 0.9 | 1.2 |
| Partly_Cloudy | 50 | 35 | 95 | BLACK_TOP | -20 | 0.45 | 0.55 | 0.70 | 1.6 | 2.0 | 2.5 | 1.0 | 1.2 | 1.6 |
| Partly_Cloudy | 50 | 35 | 95 | BLACK_TOP | -15 | 0.50 | 0.60 | 0.75 | 1.8 | 2.2 | 2.7 | 1.1 | 1.3 | 1.7 |
| Partly_Cloudy | 50 | 35 | 95 | BLACK_TOP | -10 | 0.60 | 0.70 | 0.85 | 2.2 | 2.5 | 3.1 | 1.3 | 1.6 | 1.9 |
| Partly_Cloudy | 50 | 35 | 95 | BLACK_TOP | -5 | 0.70 | 0.75 | 0.95 | 2.5 | 2.7 | 3.4 | 1.6 | 1.7 | 2.1 |
| Partly_Cloudy | 50 | 35 | 95 | BLACK_TOP | 0 | 0.80 | 0.90 | 1.05 | 2.9 | 3.2 | 3.8 | 1.8 | 2.0 | 2.4 |
| Partly_Cloudy | 50 | 35 | 95 | BLACK_TOP | 5 | 0.40 | 0.45 | 0.65 | 1.4 | 1.6 | 2.3 | 0.9 | 1.0 | 1.5 |
| Partly_Cloudy | 50 | 35 | 95 | BLACK_TOP | 10 | 0.25 | 0.30 | 0.40 | 0.9 | 1.1 | 1.4 | 0.6 | 0.7 | 0.9 |
| Partly_Cloudy | 50 | 35 | 95 | BLACK_TOP | 15 | 0.15 | 0.20 | 0.30 | 0.5 | 0.7 | 1.1 | 0.3 | 0.4 | 0.7 |
| Partly_Cloudy | 50 | 35 | 95 | BLACK_TOP | 20 | 0.10 | 0.15 | 0.20 | 0.4 | 0.5 | 0.7 | 0.2 | 0.3 | 0.4 |
| Partly_Cloudy | 50 | 35 | 95 | BLACK_TOP | 30 | 0.05 | 0.10 | 0.15 | 0.2 | 0.4 | 0.5 | 0.1 | 0.2 | 0.3 |
| Partly_Cloudy | 50 | 35 | 95 | BLACK_TOP | 40 | 0.05 | 0.05 | 0.10 | 0.2 | 0.2 | 0.4 | 0.1 | 0.1 | 0.2 |
| Partly_Cloudy | 50 | 35 | 95 | BLACK_TOP | 50 | 0.05 | 0.05 | 0.10 | 0.2 | 0.2 | 0.4 | 0.1 | 0.1 | 0.2 |
| Partly_Cloudy | 50 | 35 | 95 | DIRT_ROAD | -50 | 0.20 | 0.25 | 0.35 | 0.7 | 0.9 | 1.3 | 0.4 | 0.6 | 0.8 |
| Partly_Cloudy | 50 | 35 | 95 | DIRT_ROAD | -40 | 0.25 | 0.30 | 0.45 | 0.9 | 1.1 | 1.6 | 0.6 | 0.7 | 1.0 |
| Partly_Cloudy | 50 | 35 | 95 | DIRT_ROAD | -30 | 0.30 | 0.40 | 0.55 | 1.1 | 1.4 | 2.0 | 0.7 | 0.9 | 1.2 |
| Partly_Cloudy | 50 | 35 | 95 | DIRT_ROAD | -20 | 0.40 | 0.50 | 0.65 | 1.4 | 1.8 | 2.3 | 0.9 | 1.1 | 1.5 |
| Partly_Cloudy | 50 | 35 | 95 | DIRT_ROAD | -15 | 0.50 | 0.55 | 0.70 | 1.8 | 2.0 | 2.5 | 1.1 | 1.2 | 1.6 |
| Partly_Cloudy | 50 | 35 | 95 | DIRT_ROAD | -10 | 0.55 | 0.65 | 0.80 | 2.0 | 2.3 | 2.9 | 1.2 | 1.5 | 1.8 |
| Partly_Cloudy | 50 | 35 | 95 | DIRT_ROAD | -5 | 0.65 | 0.75 | 0.90 | 2.3 | 2.7 | 3.2 | 1.5 | 1.7 | 2.0 |
| Partly_Cloudy | 50 | 35 | 95 | DIRT_ROAD | 0 | 0.75 | 0.85 | 1.00 | 2.7 | 3.1 | 3.6 | 1.7 | 1.9 | 2.2 |
| Partly_Cloudy | 50 | 35 | 95 | DIRT_ROAD | 5 | 0.35 | 0.45 | 0.60 | 1.3 | 1.6 | 2.2 | 0.8 | 1.0 | 1.3 |
| Partly_Cloudy | 50 | 35 | 95 | DIRT_ROAD | 10 | 0.20 | 0.25 | 0.35 | 0.7 | 0.9 | 1.3 | 0.4 | 0.6 | 0.8 |
| Partly_Cloudy | 50 | 35 | 95 | DIRT_ROAD | 15 | 0.15 | 0.20 | 0.25 | 0.5 | 0.7 | 0.9 | 0.3 | 0.4 | 0.6 |
| Partly_Cloudy | 50 | 35 | 95 | DIRT_ROAD | 20 | 0.10 | 0.15 | 0.20 | 0.4 | 0.5 | 0.7 | 0.2 | 0.3 | 0.4 |
| Partly_Cloudy | 50 | 35 | 95 | DIRT_ROAD | 30 | 0.05 | 0.10 | 0.15 | 0.2 | 0.4 | 0.5 | 0.1 | 0.2 | 0.3 |
| Partly_Cloudy | 50 | 35 | 95 | DIRT_ROAD | 40 | 0.05 | 0.05 | 0.10 | 0.2 | 0.2 | 0.4 | 0.1 | 0.1 | 0.2 |
| Partly_Cloudy | 50 | 35 | 95 | DIRT_ROAD | 50 | 0.05 | 0.05 | 0.05 | 0.2 | 0.2 | 0.2 | 0.1 | 0.1 | 0.1 |
| Partly_Cloudy | 50 | 35 | 95 | LOOSE_SAND | -50 | 0.10 | 0.15 | 0.20 | 0.4 | 0.5 | 0.7 | 0.2 | 0.3 | 0.4 |
| Partly_Cloudy | 50 | 35 | 95 | LOOSE_SAND | -40 | 0.15 | 0.15 | 0.25 | 0.5 | 0.5 | 0.9 | 0.3 | 0.3 | 0.6 |
| Partly_Cloudy | 50 | 35 | 95 | LOOSE_SAND | -30 | 0.15 | 0.20 | 0.30 | 0.5 | 0.7 | 1.1 | 0.3 | 0.4 | 0.7 |
| Partly_Cloudy | 50 | 35 | 95 | LOOSE_SAND | -20 | 0.25 | 0.30 | 0.40 | 0.9 | 1.1 | 1.4 | 0.6 | 0.7 | 0.9 |
| Partly_Cloudy | 50 | 35 | 95 | LOOSE_SAND | -15 | 0.30 | 0.35 | 0.45 | 1.1 | 1.3 | 1.6 | 0.7 | 0.8 | 1.0 |
| Partly_Cloudy | 50 | 35 | 95 | LOOSE_SAND | -10 | 0.35 | 0.40 | 0.55 | 1.3 | 1.4 | 2.0 | 0.8 | 0.9 | 1.2 |
| Partly_Cloudy | 50 | 35 | 95 | LOOSE_SAND | -5 | 0.45 | 0.50 | 0.60 | 1.6 | 1.8 | 2.2 | 1.0 | 1.1 | 1.3 |
| Partly_Cloudy | 50 | 35 | 95 | LOOSE_SAND | 0 | 0.55 | 0.60 | 0.75 | 2.0 | 2.2 | 2.7 | 1.2 | 1.3 | 1.7 |
| Partly_Cloudy | 50 | 35 | 95 | LOOSE_SAND | 5 | 0.20 | 0.25 | 0.35 | 0.7 | 0.9 | 1.3 | 0.4 | 0.6 | 0.8 |
| Partly_Cloudy | 50 | 35 | 95 | LOOSE_SAND | 10 | 0.10 | 0.15 | 0.20 | 0.4 | 0.5 | 0.7 | 0.2 | 0.3 | 0.4 |
| Partly_Cloudy | 50 | 35 | 95 | LOOSE_SAND | 15 | 0.05 | 0.10 | 0.15 | 0.2 | 0.4 | 0.5 | 0.1 | 0.2 | 0.3 |
| Partly_Cloudy | 50 | 35 | 95 | LOOSE_SAND | 20 | 0.05 | 0.05 | 0.10 | 0.2 | 0.2 | 0.4 | 0.1 | 0.1 | 0.2 |
| Partly_Cloudy | 50 | 35 | 95 | LOOSE_SAND | 30 | 0.00 | 0.05 | 0.05 | 0.0 | 0.2 | 0.2 | 0.0 | 0.1 | 0.1 |
| Partly_Cloudy | 50 | 35 | 95 | LOOSE_SAND | 40 | 0.00 | 0.00 | 0.05 | 0.0 | 0.0 | 0.2 | 0.0 | 0.0 | 0.1 |
| Partly_Cloudy | 50 | 35 | 95 | LOOSE_SAND | 50 | 0.00 | 0.00 | 0.00 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

Table G-22. Maximum Sustainable Speed, Partly Cloudy, 75% Humidity, 5°C (41°F)

| Cloud Cover | RH (%) | °C | °F | Terrain Type | Grade (%) | Max Sustainable Speed (meters/second) | | | Max Sustainable Speed (kilometers/hour) | | | Max Sustainable Speed (miles/hour) | | |
|---------------|--------|----|----|--------------|-----------|---------------------------------------|------|------|---|-----|------|------------------------------------|-----|------|
| | | | | | | Risk Level | | | Risk Level | | | Risk Level | | |
| | | | | | | Low | Mod | High | Low | Mod | High | Low | Mod | High |
| Partly_Cloudy | 75 | 5 | 41 | BLACK_TOP | -50 | 1.00 | 1.25 | 1.60 | 3.6 | 4.5 | 5.8 | 2.2 | 2.8 | 3.6 |
| Partly_Cloudy | 75 | 5 | 41 | BLACK_TOP | -40 | 1.10 | 1.35 | 1.75 | 4.0 | 4.9 | 6.3 | 2.5 | 3.0 | 3.9 |
| Partly_Cloudy | 75 | 5 | 41 | BLACK_TOP | -30 | 1.25 | 1.50 | 1.90 | 4.5 | 5.4 | 6.8 | 2.8 | 3.4 | 4.3 |
| Partly_Cloudy | 75 | 5 | 41 | BLACK_TOP | -20 | 1.40 | 1.70 | 2.10 | 5.0 | 6.1 | 7.6 | 3.1 | 3.8 | 4.7 |
| Partly_Cloudy | 75 | 5 | 41 | BLACK_TOP | -15 | 1.50 | 1.80 | 2.20 | 5.4 | 6.5 | 7.9 | 3.4 | 4.0 | 4.9 |
| Partly_Cloudy | 75 | 5 | 41 | BLACK_TOP | -10 | 1.60 | 1.90 | 2.30 | 5.8 | 6.8 | 8.3 | 3.6 | 4.3 | 5.2 |
| Partly_Cloudy | 75 | 5 | 41 | BLACK_TOP | -5 | 1.70 | 2.00 | 2.40 | 6.1 | 7.2 | 8.6 | 3.8 | 4.5 | 5.4 |
| Partly_Cloudy | 75 | 5 | 41 | BLACK_TOP | 0 | 1.85 | 2.10 | 2.50 | 6.7 | 7.6 | 9.0 | 4.1 | 4.7 | 5.6 |
| Partly_Cloudy | 75 | 5 | 41 | BLACK_TOP | 5 | 1.35 | 1.60 | 2.00 | 4.9 | 5.8 | 7.2 | 3.0 | 3.6 | 4.5 |
| Partly_Cloudy | 75 | 5 | 41 | BLACK_TOP | 10 | 1.00 | 1.25 | 1.60 | 3.6 | 4.5 | 5.8 | 2.2 | 2.8 | 3.6 |
| Partly_Cloudy | 75 | 5 | 41 | BLACK_TOP | 15 | 0.75 | 1.00 | 1.30 | 2.7 | 3.6 | 4.7 | 1.7 | 2.2 | 2.9 |
| Partly_Cloudy | 75 | 5 | 41 | BLACK_TOP | 20 | 0.60 | 0.80 | 1.10 | 2.2 | 2.9 | 4.0 | 1.3 | 1.8 | 2.5 |
| Partly_Cloudy | 75 | 5 | 41 | BLACK_TOP | 30 | 0.45 | 0.55 | 0.80 | 1.6 | 2.0 | 2.9 | 1.0 | 1.2 | 1.8 |
| Partly_Cloudy | 75 | 5 | 41 | BLACK_TOP | 40 | 0.35 | 0.45 | 0.65 | 1.3 | 1.6 | 2.3 | 0.8 | 1.0 | 1.5 |
| Partly_Cloudy | 75 | 5 | 41 | BLACK_TOP | 50 | 0.25 | 0.35 | 0.50 | 0.9 | 1.3 | 1.8 | 0.6 | 0.8 | 1.1 |
| Partly_Cloudy | 75 | 5 | 41 | DIRT_ROAD | -50 | 0.95 | 1.15 | 1.50 | 3.4 | 4.1 | 5.4 | 2.1 | 2.6 | 3.4 |
| Partly_Cloudy | 75 | 5 | 41 | DIRT_ROAD | -40 | 1.05 | 1.25 | 1.65 | 3.8 | 4.5 | 5.9 | 2.4 | 2.8 | 3.7 |
| Partly_Cloudy | 75 | 5 | 41 | DIRT_ROAD | -30 | 1.20 | 1.40 | 1.80 | 4.3 | 5.0 | 6.5 | 2.7 | 3.1 | 4.0 |
| Partly_Cloudy | 75 | 5 | 41 | DIRT_ROAD | -20 | 1.35 | 1.60 | 2.00 | 4.9 | 5.8 | 7.2 | 3.0 | 3.6 | 4.5 |
| Partly_Cloudy | 75 | 5 | 41 | DIRT_ROAD | -15 | 1.45 | 1.70 | 2.10 | 5.2 | 6.1 | 7.6 | 3.2 | 3.8 | 4.7 |
| Partly_Cloudy | 75 | 5 | 41 | DIRT_ROAD | -10 | 1.50 | 1.80 | 2.20 | 5.4 | 6.5 | 7.9 | 3.4 | 4.0 | 4.9 |
| Partly_Cloudy | 75 | 5 | 41 | DIRT_ROAD | -5 | 1.65 | 1.90 | 2.30 | 5.9 | 6.8 | 8.3 | 3.7 | 4.3 | 5.2 |
| Partly_Cloudy | 75 | 5 | 41 | DIRT_ROAD | 0 | 1.75 | 2.00 | 2.40 | 6.3 | 7.2 | 8.6 | 3.9 | 4.5 | 5.4 |
| Partly_Cloudy | 75 | 5 | 41 | DIRT_ROAD | 5 | 1.25 | 1.50 | 1.90 | 4.5 | 5.4 | 6.8 | 2.8 | 3.4 | 4.3 |
| Partly_Cloudy | 75 | 5 | 41 | DIRT_ROAD | 10 | 0.95 | 1.15 | 1.50 | 3.4 | 4.1 | 5.4 | 2.1 | 2.6 | 3.4 |
| Partly_Cloudy | 75 | 5 | 41 | DIRT_ROAD | 15 | 0.70 | 0.90 | 1.20 | 2.5 | 3.2 | 4.3 | 1.6 | 2.0 | 2.7 |
| Partly_Cloudy | 75 | 5 | 41 | DIRT_ROAD | 20 | 0.55 | 0.75 | 1.00 | 2.0 | 2.7 | 3.6 | 1.2 | 1.7 | 2.2 |
| Partly_Cloudy | 75 | 5 | 41 | DIRT_ROAD | 30 | 0.40 | 0.50 | 0.75 | 1.4 | 1.8 | 2.7 | 0.9 | 1.1 | 1.7 |
| Partly_Cloudy | 75 | 5 | 41 | DIRT_ROAD | 40 | 0.30 | 0.40 | 0.55 | 1.1 | 1.4 | 2.0 | 0.7 | 0.9 | 1.2 |
| Partly_Cloudy | 75 | 5 | 41 | DIRT_ROAD | 50 | 0.25 | 0.30 | 0.45 | 0.9 | 1.1 | 1.6 | 0.6 | 0.7 | 1.0 |
| Partly_Cloudy | 75 | 5 | 41 | LOOSE_SAND | -50 | 0.55 | 0.70 | 0.90 | 2.0 | 2.5 | 3.2 | 1.2 | 1.6 | 2.0 |
| Partly_Cloudy | 75 | 5 | 41 | LOOSE_SAND | -40 | 0.60 | 0.80 | 1.05 | 2.2 | 2.9 | 3.8 | 1.3 | 1.8 | 2.4 |
| Partly_Cloudy | 75 | 5 | 41 | LOOSE_SAND | -30 | 0.75 | 0.90 | 1.15 | 2.7 | 3.2 | 4.1 | 1.7 | 2.0 | 2.6 |
| Partly_Cloudy | 75 | 5 | 41 | LOOSE_SAND | -20 | 0.85 | 1.05 | 1.35 | 3.1 | 3.8 | 4.9 | 1.9 | 2.4 | 3.0 |
| Partly_Cloudy | 75 | 5 | 41 | LOOSE_SAND | -15 | 0.95 | 1.15 | 1.40 | 3.4 | 4.1 | 5.0 | 2.1 | 2.6 | 3.1 |
| Partly_Cloudy | 75 | 5 | 41 | LOOSE_SAND | -10 | 1.05 | 1.25 | 1.50 | 3.8 | 4.5 | 5.4 | 2.4 | 2.8 | 3.4 |
| Partly_Cloudy | 75 | 5 | 41 | LOOSE_SAND | -5 | 1.15 | 1.35 | 1.60 | 4.1 | 4.9 | 5.8 | 2.6 | 3.0 | 3.6 |
| Partly_Cloudy | 75 | 5 | 41 | LOOSE_SAND | 0 | 1.25 | 1.45 | 1.75 | 4.5 | 5.2 | 6.3 | 2.8 | 3.2 | 3.9 |
| Partly_Cloudy | 75 | 5 | 41 | LOOSE_SAND | 5 | 0.80 | 0.95 | 1.25 | 2.9 | 3.4 | 4.5 | 1.8 | 2.1 | 2.8 |
| Partly_Cloudy | 75 | 5 | 41 | LOOSE_SAND | 10 | 0.55 | 0.70 | 0.90 | 2.0 | 2.5 | 3.2 | 1.2 | 1.6 | 2.0 |
| Partly_Cloudy | 75 | 5 | 41 | LOOSE_SAND | 15 | 0.40 | 0.50 | 0.70 | 1.4 | 1.8 | 2.5 | 0.9 | 1.1 | 1.6 |
| Partly_Cloudy | 75 | 5 | 41 | LOOSE_SAND | 20 | 0.30 | 0.40 | 0.55 | 1.1 | 1.4 | 2.0 | 0.7 | 0.9 | 1.2 |
| Partly_Cloudy | 75 | 5 | 41 | LOOSE_SAND | 30 | 0.20 | 0.25 | 0.40 | 0.7 | 0.9 | 1.4 | 0.4 | 0.6 | 0.9 |
| Partly_Cloudy | 75 | 5 | 41 | LOOSE_SAND | 40 | 0.15 | 0.20 | 0.30 | 0.5 | 0.7 | 1.1 | 0.3 | 0.4 | 0.7 |
| Partly_Cloudy | 75 | 5 | 41 | LOOSE_SAND | 50 | 0.10 | 0.15 | 0.25 | 0.4 | 0.5 | 0.9 | 0.2 | 0.3 | 0.6 |

Table G-23. Maximum Sustainable Speed, Partly Cloudy, 75% Humidity, 10°C (50°F)

| Cloud Cover | RH (%) | °C | °F | Terrain Type | Grade (%) | Max Sustainable Speed (meters/second) | | | Max Sustainable Speed (kilometers/hour) | | | Max Sustainable Speed (miles/hour) | | |
|---------------|--------|----|----|--------------|-----------|---------------------------------------|------|------|---|-----|------|------------------------------------|-----|------|
| | | | | | | Risk Level | | | Risk Level | | | Risk Level | | |
| | | | | | | Low | Mod | High | Low | Mod | High | Low | Mod | High |
| Partly_Cloudy | 75 | 10 | 50 | BLACK_TOP | -50 | 0.90 | 1.15 | 1.40 | 3.2 | 4.1 | 5.0 | 2.0 | 2.6 | 3.1 |
| Partly_Cloudy | 75 | 10 | 50 | BLACK_TOP | -40 | 1.00 | 1.25 | 1.55 | 3.6 | 4.5 | 5.6 | 2.2 | 2.8 | 3.5 |
| Partly_Cloudy | 75 | 10 | 50 | BLACK_TOP | -30 | 1.15 | 1.40 | 1.70 | 4.1 | 5.0 | 6.1 | 2.6 | 3.1 | 3.8 |
| Partly_Cloudy | 75 | 10 | 50 | BLACK_TOP | -20 | 1.30 | 1.60 | 1.90 | 4.7 | 5.8 | 6.8 | 2.9 | 3.6 | 4.3 |
| Partly_Cloudy | 75 | 10 | 50 | BLACK_TOP | -15 | 1.40 | 1.70 | 1.95 | 5.0 | 6.1 | 7.0 | 3.1 | 3.8 | 4.4 |
| Partly_Cloudy | 75 | 10 | 50 | BLACK_TOP | -10 | 1.50 | 1.80 | 2.05 | 5.4 | 6.5 | 7.4 | 3.4 | 4.0 | 4.6 |
| Partly_Cloudy | 75 | 10 | 50 | BLACK_TOP | -5 | 1.60 | 1.90 | 2.20 | 5.8 | 6.8 | 7.9 | 3.6 | 4.3 | 4.9 |
| Partly_Cloudy | 75 | 10 | 50 | BLACK_TOP | 0 | 1.70 | 2.00 | 2.30 | 6.1 | 7.2 | 8.3 | 3.8 | 4.5 | 5.2 |
| Partly_Cloudy | 75 | 10 | 50 | BLACK_TOP | 5 | 1.25 | 1.50 | 1.80 | 4.5 | 5.4 | 6.5 | 2.8 | 3.4 | 4.0 |
| Partly_Cloudy | 75 | 10 | 50 | BLACK_TOP | 10 | 0.90 | 1.15 | 1.40 | 3.2 | 4.1 | 5.0 | 2.0 | 2.6 | 3.1 |
| Partly_Cloudy | 75 | 10 | 50 | BLACK_TOP | 15 | 0.70 | 0.90 | 1.15 | 2.5 | 3.2 | 4.1 | 1.6 | 2.0 | 2.6 |
| Partly_Cloudy | 75 | 10 | 50 | BLACK_TOP | 20 | 0.55 | 0.75 | 0.95 | 2.0 | 2.7 | 3.4 | 1.2 | 1.7 | 2.1 |
| Partly_Cloudy | 75 | 10 | 50 | BLACK_TOP | 30 | 0.40 | 0.50 | 0.65 | 1.4 | 1.8 | 2.3 | 0.9 | 1.1 | 1.5 |
| Partly_Cloudy | 75 | 10 | 50 | BLACK_TOP | 40 | 0.30 | 0.40 | 0.50 | 1.1 | 1.4 | 1.8 | 0.7 | 0.9 | 1.1 |
| Partly_Cloudy | 75 | 10 | 50 | BLACK_TOP | 50 | 0.25 | 0.30 | 0.40 | 0.9 | 1.1 | 1.4 | 0.6 | 0.7 | 0.9 |
| Partly_Cloudy | 75 | 10 | 50 | DIRT_ROAD | -50 | 0.85 | 1.05 | 1.30 | 3.1 | 3.8 | 4.7 | 1.9 | 2.4 | 2.9 |
| Partly_Cloudy | 75 | 10 | 50 | DIRT_ROAD | -40 | 0.95 | 1.20 | 1.45 | 3.4 | 4.3 | 5.2 | 2.1 | 2.7 | 3.2 |
| Partly_Cloudy | 75 | 10 | 50 | DIRT_ROAD | -30 | 1.10 | 1.35 | 1.60 | 4.0 | 4.9 | 5.8 | 2.5 | 3.0 | 3.6 |
| Partly_Cloudy | 75 | 10 | 50 | DIRT_ROAD | -20 | 1.25 | 1.50 | 1.75 | 4.5 | 5.4 | 6.3 | 2.8 | 3.4 | 3.9 |
| Partly_Cloudy | 75 | 10 | 50 | DIRT_ROAD | -15 | 1.35 | 1.60 | 1.85 | 4.9 | 5.8 | 6.7 | 3.0 | 3.6 | 4.1 |
| Partly_Cloudy | 75 | 10 | 50 | DIRT_ROAD | -10 | 1.40 | 1.70 | 1.95 | 5.0 | 6.1 | 7.0 | 3.1 | 3.8 | 4.4 |
| Partly_Cloudy | 75 | 10 | 50 | DIRT_ROAD | -5 | 1.55 | 1.80 | 2.05 | 5.6 | 6.5 | 7.4 | 3.5 | 4.0 | 4.6 |
| Partly_Cloudy | 75 | 10 | 50 | DIRT_ROAD | 0 | 1.65 | 1.90 | 2.20 | 5.9 | 6.8 | 7.9 | 3.7 | 4.3 | 4.9 |
| Partly_Cloudy | 75 | 10 | 50 | DIRT_ROAD | 5 | 1.15 | 1.40 | 1.70 | 4.1 | 5.0 | 6.1 | 2.6 | 3.1 | 3.8 |
| Partly_Cloudy | 75 | 10 | 50 | DIRT_ROAD | 10 | 0.85 | 1.05 | 1.30 | 3.1 | 3.8 | 4.7 | 1.9 | 2.4 | 2.9 |
| Partly_Cloudy | 75 | 10 | 50 | DIRT_ROAD | 15 | 0.65 | 0.85 | 1.05 | 2.3 | 3.1 | 3.8 | 1.5 | 1.9 | 2.4 |
| Partly_Cloudy | 75 | 10 | 50 | DIRT_ROAD | 20 | 0.50 | 0.65 | 0.85 | 1.8 | 2.3 | 3.1 | 1.1 | 1.5 | 1.9 |
| Partly_Cloudy | 75 | 10 | 50 | DIRT_ROAD | 30 | 0.35 | 0.45 | 0.60 | 1.3 | 1.6 | 2.2 | 0.8 | 1.0 | 1.3 |
| Partly_Cloudy | 75 | 10 | 50 | DIRT_ROAD | 40 | 0.25 | 0.35 | 0.45 | 0.9 | 1.3 | 1.6 | 0.6 | 0.8 | 1.0 |
| Partly_Cloudy | 75 | 10 | 50 | DIRT_ROAD | 50 | 0.20 | 0.30 | 0.40 | 0.7 | 1.1 | 1.4 | 0.4 | 0.7 | 0.9 |
| Partly_Cloudy | 75 | 10 | 50 | LOOSE_SAND | -50 | 0.50 | 0.65 | 0.80 | 1.8 | 2.3 | 2.9 | 1.1 | 1.5 | 1.8 |
| Partly_Cloudy | 75 | 10 | 50 | LOOSE_SAND | -40 | 0.55 | 0.70 | 0.90 | 2.0 | 2.5 | 3.2 | 1.2 | 1.6 | 2.0 |
| Partly_Cloudy | 75 | 10 | 50 | LOOSE_SAND | -30 | 0.65 | 0.85 | 1.00 | 2.3 | 3.1 | 3.6 | 1.5 | 1.9 | 2.2 |
| Partly_Cloudy | 75 | 10 | 50 | LOOSE_SAND | -20 | 0.80 | 1.00 | 1.20 | 2.9 | 3.6 | 4.3 | 1.8 | 2.2 | 2.7 |
| Partly_Cloudy | 75 | 10 | 50 | LOOSE_SAND | -15 | 0.90 | 1.05 | 1.25 | 3.2 | 3.8 | 4.5 | 2.0 | 2.4 | 2.8 |
| Partly_Cloudy | 75 | 10 | 50 | LOOSE_SAND | -10 | 0.95 | 1.15 | 1.35 | 3.4 | 4.1 | 4.9 | 2.1 | 2.6 | 3.0 |
| Partly_Cloudy | 75 | 10 | 50 | LOOSE_SAND | -5 | 1.05 | 1.25 | 1.45 | 3.8 | 4.5 | 5.2 | 2.4 | 2.8 | 3.2 |
| Partly_Cloudy | 75 | 10 | 50 | LOOSE_SAND | 0 | 1.20 | 1.35 | 1.60 | 4.3 | 4.9 | 5.8 | 2.7 | 3.0 | 3.6 |
| Partly_Cloudy | 75 | 10 | 50 | LOOSE_SAND | 5 | 0.75 | 0.90 | 1.10 | 2.7 | 3.2 | 4.0 | 1.7 | 2.0 | 2.5 |
| Partly_Cloudy | 75 | 10 | 50 | LOOSE_SAND | 10 | 0.50 | 0.65 | 0.80 | 1.8 | 2.3 | 2.9 | 1.1 | 1.5 | 1.8 |
| Partly_Cloudy | 75 | 10 | 50 | LOOSE_SAND | 15 | 0.35 | 0.45 | 0.60 | 1.3 | 1.6 | 2.2 | 0.8 | 1.0 | 1.3 |
| Partly_Cloudy | 75 | 10 | 50 | LOOSE_SAND | 20 | 0.25 | 0.35 | 0.45 | 0.9 | 1.3 | 1.6 | 0.6 | 0.8 | 1.0 |
| Partly_Cloudy | 75 | 10 | 50 | LOOSE_SAND | 30 | 0.20 | 0.25 | 0.30 | 0.7 | 0.9 | 1.1 | 0.4 | 0.6 | 0.7 |
| Partly_Cloudy | 75 | 10 | 50 | LOOSE_SAND | 40 | 0.15 | 0.20 | 0.25 | 0.5 | 0.7 | 0.9 | 0.3 | 0.4 | 0.6 |
| Partly_Cloudy | 75 | 10 | 50 | LOOSE_SAND | 50 | 0.10 | 0.15 | 0.20 | 0.4 | 0.5 | 0.7 | 0.2 | 0.3 | 0.4 |

Table G-24. Maximum Sustainable Speed, Partly Cloudy, 75% Humidity, 15°C (59°F)

| Cloud Cover | RH (%) | °C | °F | Terrain Type | Grade (%) | Max Sustainable Speed (meters/second) | | | Max Sustainable Speed (kilometers/hour) | | | Max Sustainable Speed (miles/hour) | | |
|---------------|--------|----|----|--------------|-----------|---------------------------------------|------|------|---|-----|------|------------------------------------|-----|------|
| | | | | | | Risk Level | | | Risk Level | | | Risk Level | | |
| | | | | | | Low | Mod | High | Low | Mod | High | Low | Mod | High |
| Partly_Cloudy | 75 | 15 | 59 | BLACK_TOP | -50 | 0.80 | 1.05 | 1.20 | 2.9 | 3.8 | 4.3 | 1.8 | 2.4 | 2.7 |
| Partly_Cloudy | 75 | 15 | 59 | BLACK_TOP | -40 | 0.90 | 1.15 | 1.35 | 3.2 | 4.1 | 4.9 | 2.0 | 2.6 | 3.0 |
| Partly_Cloudy | 75 | 15 | 59 | BLACK_TOP | -30 | 1.05 | 1.30 | 1.50 | 3.8 | 4.7 | 5.4 | 2.4 | 2.9 | 3.4 |
| Partly_Cloudy | 75 | 15 | 59 | BLACK_TOP | -20 | 1.20 | 1.45 | 1.65 | 4.3 | 5.2 | 5.9 | 2.7 | 3.2 | 3.7 |
| Partly_Cloudy | 75 | 15 | 59 | BLACK_TOP | -15 | 1.30 | 1.55 | 1.75 | 4.7 | 5.6 | 6.3 | 2.9 | 3.5 | 3.9 |
| Partly_Cloudy | 75 | 15 | 59 | BLACK_TOP | -10 | 1.40 | 1.65 | 1.85 | 5.0 | 5.9 | 6.7 | 3.1 | 3.7 | 4.1 |
| Partly_Cloudy | 75 | 15 | 59 | BLACK_TOP | -5 | 1.50 | 1.75 | 1.95 | 5.4 | 6.3 | 7.0 | 3.4 | 3.9 | 4.4 |
| Partly_Cloudy | 75 | 15 | 59 | BLACK_TOP | 0 | 1.60 | 1.90 | 2.10 | 5.8 | 6.8 | 7.6 | 3.6 | 4.3 | 4.7 |
| Partly_Cloudy | 75 | 15 | 59 | BLACK_TOP | 5 | 1.15 | 1.40 | 1.60 | 4.1 | 5.0 | 5.8 | 2.6 | 3.1 | 3.6 |
| Partly_Cloudy | 75 | 15 | 59 | BLACK_TOP | 10 | 0.80 | 1.05 | 1.20 | 2.9 | 3.8 | 4.3 | 1.8 | 2.4 | 2.7 |
| Partly_Cloudy | 75 | 15 | 59 | BLACK_TOP | 15 | 0.60 | 0.80 | 0.95 | 2.2 | 2.9 | 3.4 | 1.3 | 1.8 | 2.1 |
| Partly_Cloudy | 75 | 15 | 59 | BLACK_TOP | 20 | 0.50 | 0.65 | 0.80 | 1.8 | 2.3 | 2.9 | 1.1 | 1.5 | 1.8 |
| Partly_Cloudy | 75 | 15 | 59 | BLACK_TOP | 30 | 0.35 | 0.45 | 0.55 | 1.3 | 1.6 | 2.0 | 0.8 | 1.0 | 1.2 |
| Partly_Cloudy | 75 | 15 | 59 | BLACK_TOP | 40 | 0.25 | 0.35 | 0.45 | 0.9 | 1.3 | 1.6 | 0.6 | 0.8 | 1.0 |
| Partly_Cloudy | 75 | 15 | 59 | BLACK_TOP | 50 | 0.20 | 0.30 | 0.35 | 0.7 | 1.1 | 1.3 | 0.4 | 0.7 | 0.8 |
| Partly_Cloudy | 75 | 15 | 59 | DIRT_ROAD | -50 | 0.75 | 0.95 | 1.15 | 2.7 | 3.4 | 4.1 | 1.7 | 2.1 | 2.6 |
| Partly_Cloudy | 75 | 15 | 59 | DIRT_ROAD | -40 | 0.85 | 1.10 | 1.25 | 3.1 | 4.0 | 4.5 | 1.9 | 2.5 | 2.8 |
| Partly_Cloudy | 75 | 15 | 59 | DIRT_ROAD | -30 | 1.00 | 1.20 | 1.40 | 3.6 | 4.3 | 5.0 | 2.2 | 2.7 | 3.1 |
| Partly_Cloudy | 75 | 15 | 59 | DIRT_ROAD | -20 | 1.15 | 1.40 | 1.60 | 4.1 | 5.0 | 5.8 | 2.6 | 3.1 | 3.6 |
| Partly_Cloudy | 75 | 15 | 59 | DIRT_ROAD | -15 | 1.20 | 1.50 | 1.65 | 4.3 | 5.4 | 5.9 | 2.7 | 3.4 | 3.7 |
| Partly_Cloudy | 75 | 15 | 59 | DIRT_ROAD | -10 | 1.30 | 1.60 | 1.75 | 4.7 | 5.8 | 6.3 | 2.9 | 3.6 | 3.9 |
| Partly_Cloudy | 75 | 15 | 59 | DIRT_ROAD | -5 | 1.40 | 1.70 | 1.90 | 5.0 | 6.1 | 6.8 | 3.1 | 3.8 | 4.3 |
| Partly_Cloudy | 75 | 15 | 59 | DIRT_ROAD | 0 | 1.55 | 1.80 | 2.00 | 5.6 | 6.5 | 7.2 | 3.5 | 4.0 | 4.5 |
| Partly_Cloudy | 75 | 15 | 59 | DIRT_ROAD | 5 | 1.05 | 1.30 | 1.50 | 3.8 | 4.7 | 5.4 | 2.4 | 2.9 | 3.4 |
| Partly_Cloudy | 75 | 15 | 59 | DIRT_ROAD | 10 | 0.75 | 0.95 | 1.15 | 2.7 | 3.4 | 4.1 | 1.7 | 2.1 | 2.6 |
| Partly_Cloudy | 75 | 15 | 59 | DIRT_ROAD | 15 | 0.55 | 0.75 | 0.90 | 2.0 | 2.7 | 3.2 | 1.2 | 1.7 | 2.0 |
| Partly_Cloudy | 75 | 15 | 59 | DIRT_ROAD | 20 | 0.45 | 0.60 | 0.70 | 1.6 | 2.2 | 2.5 | 1.0 | 1.3 | 1.6 |
| Partly_Cloudy | 75 | 15 | 59 | DIRT_ROAD | 30 | 0.30 | 0.40 | 0.50 | 1.1 | 1.4 | 1.8 | 0.7 | 0.9 | 1.1 |
| Partly_Cloudy | 75 | 15 | 59 | DIRT_ROAD | 40 | 0.25 | 0.30 | 0.40 | 0.9 | 1.1 | 1.4 | 0.6 | 0.7 | 0.9 |
| Partly_Cloudy | 75 | 15 | 59 | DIRT_ROAD | 50 | 0.20 | 0.25 | 0.30 | 0.7 | 0.9 | 1.1 | 0.4 | 0.6 | 0.7 |
| Partly_Cloudy | 75 | 15 | 59 | LOOSE_SAND | -50 | 0.45 | 0.55 | 0.70 | 1.6 | 2.0 | 2.5 | 1.0 | 1.2 | 1.6 |
| Partly_Cloudy | 75 | 15 | 59 | LOOSE_SAND | -40 | 0.50 | 0.65 | 0.75 | 1.8 | 2.3 | 2.7 | 1.1 | 1.5 | 1.7 |
| Partly_Cloudy | 75 | 15 | 59 | LOOSE_SAND | -30 | 0.60 | 0.75 | 0.90 | 2.2 | 2.7 | 3.2 | 1.3 | 1.7 | 2.0 |
| Partly_Cloudy | 75 | 15 | 59 | LOOSE_SAND | -20 | 0.75 | 0.90 | 1.05 | 2.7 | 3.2 | 3.8 | 1.7 | 2.0 | 2.4 |
| Partly_Cloudy | 75 | 15 | 59 | LOOSE_SAND | -15 | 0.80 | 1.00 | 1.10 | 2.9 | 3.6 | 4.0 | 1.8 | 2.2 | 2.5 |
| Partly_Cloudy | 75 | 15 | 59 | LOOSE_SAND | -10 | 0.90 | 1.10 | 1.20 | 3.2 | 4.0 | 4.3 | 2.0 | 2.5 | 2.7 |
| Partly_Cloudy | 75 | 15 | 59 | LOOSE_SAND | -5 | 1.00 | 1.20 | 1.30 | 3.6 | 4.3 | 4.7 | 2.2 | 2.7 | 2.9 |
| Partly_Cloudy | 75 | 15 | 59 | LOOSE_SAND | 0 | 1.10 | 1.30 | 1.45 | 4.0 | 4.7 | 5.2 | 2.5 | 2.9 | 3.2 |
| Partly_Cloudy | 75 | 15 | 59 | LOOSE_SAND | 5 | 0.65 | 0.85 | 0.95 | 2.3 | 3.1 | 3.4 | 1.5 | 1.9 | 2.1 |
| Partly_Cloudy | 75 | 15 | 59 | LOOSE_SAND | 10 | 0.45 | 0.55 | 0.70 | 1.6 | 2.0 | 2.5 | 1.0 | 1.2 | 1.6 |
| Partly_Cloudy | 75 | 15 | 59 | LOOSE_SAND | 15 | 0.30 | 0.40 | 0.50 | 1.1 | 1.4 | 1.8 | 0.7 | 0.9 | 1.1 |
| Partly_Cloudy | 75 | 15 | 59 | LOOSE_SAND | 20 | 0.25 | 0.30 | 0.40 | 0.9 | 1.1 | 1.4 | 0.6 | 0.7 | 0.9 |
| Partly_Cloudy | 75 | 15 | 59 | LOOSE_SAND | 30 | 0.15 | 0.20 | 0.25 | 0.5 | 0.7 | 0.9 | 0.3 | 0.4 | 0.6 |
| Partly_Cloudy | 75 | 15 | 59 | LOOSE_SAND | 40 | 0.10 | 0.15 | 0.20 | 0.4 | 0.5 | 0.7 | 0.2 | 0.3 | 0.4 |
| Partly_Cloudy | 75 | 15 | 59 | LOOSE_SAND | 50 | 0.10 | 0.10 | 0.15 | 0.4 | 0.4 | 0.5 | 0.2 | 0.2 | 0.3 |

Table G-25. Maximum Sustainable Speed, Partly Cloudy, 75% Humidity, 20°C (68°F)

| Cloud Cover | RH (%) | °C | °F | Terrain Type | Grade (%) | Max Sustainable Speed (meters/second) | | | Max Sustainable Speed (kilometers/hour) | | | Max Sustainable Speed (miles/hour) | | |
|---------------|--------|----|----|--------------|-----------|---------------------------------------|------|------|---|-----|------|------------------------------------|-----|------|
| | | | | | | Risk Level | | | Risk Level | | | Risk Level | | |
| | | | | | | Low | Mod | High | Low | Mod | High | Low | Mod | High |
| Partly_Cloudy | 75 | 20 | 68 | BLACK_TOP | -50 | 0.70 | 0.90 | 1.00 | 2.5 | 3.2 | 3.6 | 1.6 | 2.0 | 2.2 |
| Partly_Cloudy | 75 | 20 | 68 | BLACK_TOP | -40 | 0.80 | 1.00 | 1.15 | 2.9 | 3.6 | 4.1 | 1.8 | 2.2 | 2.6 |
| Partly_Cloudy | 75 | 20 | 68 | BLACK_TOP | -30 | 0.95 | 1.10 | 1.25 | 3.4 | 4.0 | 4.5 | 2.1 | 2.5 | 2.8 |
| Partly_Cloudy | 75 | 20 | 68 | BLACK_TOP | -20 | 1.10 | 1.30 | 1.45 | 4.0 | 4.7 | 5.2 | 2.5 | 2.9 | 3.2 |
| Partly_Cloudy | 75 | 20 | 68 | BLACK_TOP | -15 | 1.20 | 1.35 | 1.55 | 4.3 | 4.9 | 5.6 | 2.7 | 3.0 | 3.5 |
| Partly_Cloudy | 75 | 20 | 68 | BLACK_TOP | -10 | 1.25 | 1.45 | 1.65 | 4.5 | 5.2 | 5.9 | 2.8 | 3.2 | 3.7 |
| Partly_Cloudy | 75 | 20 | 68 | BLACK_TOP | -5 | 1.40 | 1.55 | 1.75 | 5.0 | 5.6 | 6.3 | 3.1 | 3.5 | 3.9 |
| Partly_Cloudy | 75 | 20 | 68 | BLACK_TOP | 0 | 1.50 | 1.70 | 1.85 | 5.4 | 6.1 | 6.7 | 3.4 | 3.8 | 4.1 |
| Partly_Cloudy | 75 | 20 | 68 | BLACK_TOP | 5 | 1.00 | 1.20 | 1.35 | 3.6 | 4.3 | 4.9 | 2.2 | 2.7 | 3.0 |
| Partly_Cloudy | 75 | 20 | 68 | BLACK_TOP | 10 | 0.70 | 0.90 | 1.00 | 2.5 | 3.2 | 3.6 | 1.6 | 2.0 | 2.2 |
| Partly_Cloudy | 75 | 20 | 68 | BLACK_TOP | 15 | 0.55 | 0.65 | 0.80 | 2.0 | 2.3 | 2.9 | 1.2 | 1.5 | 1.8 |
| Partly_Cloudy | 75 | 20 | 68 | BLACK_TOP | 20 | 0.40 | 0.55 | 0.65 | 1.4 | 2.0 | 2.3 | 0.9 | 1.2 | 1.5 |
| Partly_Cloudy | 75 | 20 | 68 | BLACK_TOP | 30 | 0.30 | 0.35 | 0.45 | 1.1 | 1.3 | 1.6 | 0.7 | 0.8 | 1.0 |
| Partly_Cloudy | 75 | 20 | 68 | BLACK_TOP | 40 | 0.20 | 0.30 | 0.35 | 0.7 | 1.1 | 1.3 | 0.4 | 0.7 | 0.8 |
| Partly_Cloudy | 75 | 20 | 68 | BLACK_TOP | 50 | 0.15 | 0.20 | 0.25 | 0.5 | 0.7 | 0.9 | 0.3 | 0.4 | 0.6 |
| Partly_Cloudy | 75 | 20 | 68 | DIRT_ROAD | -50 | 0.65 | 0.80 | 0.95 | 2.3 | 2.9 | 3.4 | 1.5 | 1.8 | 2.1 |
| Partly_Cloudy | 75 | 20 | 68 | DIRT_ROAD | -40 | 0.75 | 0.90 | 1.05 | 2.7 | 3.2 | 3.8 | 1.7 | 2.0 | 2.4 |
| Partly_Cloudy | 75 | 20 | 68 | DIRT_ROAD | -30 | 0.90 | 1.05 | 1.20 | 3.2 | 3.8 | 4.3 | 2.0 | 2.4 | 2.7 |
| Partly_Cloudy | 75 | 20 | 68 | DIRT_ROAD | -20 | 1.00 | 1.20 | 1.35 | 3.6 | 4.3 | 4.9 | 2.2 | 2.7 | 3.0 |
| Partly_Cloudy | 75 | 20 | 68 | DIRT_ROAD | -15 | 1.10 | 1.30 | 1.45 | 4.0 | 4.7 | 5.2 | 2.5 | 2.9 | 3.2 |
| Partly_Cloudy | 75 | 20 | 68 | DIRT_ROAD | -10 | 1.20 | 1.40 | 1.55 | 4.3 | 5.0 | 5.6 | 2.7 | 3.1 | 3.5 |
| Partly_Cloudy | 75 | 20 | 68 | DIRT_ROAD | -5 | 1.30 | 1.50 | 1.65 | 4.7 | 5.4 | 5.9 | 2.9 | 3.4 | 3.7 |
| Partly_Cloudy | 75 | 20 | 68 | DIRT_ROAD | 0 | 1.40 | 1.60 | 1.75 | 5.0 | 5.8 | 6.3 | 3.1 | 3.6 | 3.9 |
| Partly_Cloudy | 75 | 20 | 68 | DIRT_ROAD | 5 | 0.95 | 1.15 | 1.25 | 3.4 | 4.1 | 4.5 | 2.1 | 2.6 | 2.8 |
| Partly_Cloudy | 75 | 20 | 68 | DIRT_ROAD | 10 | 0.65 | 0.80 | 0.95 | 2.3 | 2.9 | 3.4 | 1.5 | 1.8 | 2.1 |
| Partly_Cloudy | 75 | 20 | 68 | DIRT_ROAD | 15 | 0.50 | 0.60 | 0.75 | 1.8 | 2.2 | 2.7 | 1.1 | 1.3 | 1.7 |
| Partly_Cloudy | 75 | 20 | 68 | DIRT_ROAD | 20 | 0.40 | 0.50 | 0.60 | 1.4 | 1.8 | 2.2 | 0.9 | 1.1 | 1.3 |
| Partly_Cloudy | 75 | 20 | 68 | DIRT_ROAD | 30 | 0.25 | 0.35 | 0.40 | 0.9 | 1.3 | 1.4 | 0.6 | 0.8 | 0.9 |
| Partly_Cloudy | 75 | 20 | 68 | DIRT_ROAD | 40 | 0.20 | 0.25 | 0.30 | 0.7 | 0.9 | 1.1 | 0.4 | 0.6 | 0.7 |
| Partly_Cloudy | 75 | 20 | 68 | DIRT_ROAD | 50 | 0.15 | 0.20 | 0.25 | 0.5 | 0.7 | 0.9 | 0.3 | 0.4 | 0.6 |
| Partly_Cloudy | 75 | 20 | 68 | LOOSE_SAND | -50 | 0.35 | 0.45 | 0.55 | 1.3 | 1.6 | 2.0 | 0.8 | 1.0 | 1.2 |
| Partly_Cloudy | 75 | 20 | 68 | LOOSE_SAND | -40 | 0.45 | 0.55 | 0.65 | 1.6 | 2.0 | 2.3 | 1.0 | 1.2 | 1.5 |
| Partly_Cloudy | 75 | 20 | 68 | LOOSE_SAND | -30 | 0.55 | 0.65 | 0.75 | 2.0 | 2.3 | 2.7 | 1.2 | 1.5 | 1.7 |
| Partly_Cloudy | 75 | 20 | 68 | LOOSE_SAND | -20 | 0.65 | 0.80 | 0.90 | 2.3 | 2.9 | 3.2 | 1.5 | 1.8 | 2.0 |
| Partly_Cloudy | 75 | 20 | 68 | LOOSE_SAND | -15 | 0.75 | 0.85 | 0.95 | 2.7 | 3.1 | 3.4 | 1.7 | 1.9 | 2.1 |
| Partly_Cloudy | 75 | 20 | 68 | LOOSE_SAND | -10 | 0.80 | 0.95 | 1.05 | 2.9 | 3.4 | 3.8 | 1.8 | 2.1 | 2.4 |
| Partly_Cloudy | 75 | 20 | 68 | LOOSE_SAND | -5 | 0.90 | 1.05 | 1.15 | 3.2 | 3.8 | 4.1 | 2.0 | 2.4 | 2.6 |
| Partly_Cloudy | 75 | 20 | 68 | LOOSE_SAND | 0 | 1.00 | 1.15 | 1.25 | 3.6 | 4.1 | 4.5 | 2.2 | 2.6 | 2.8 |
| Partly_Cloudy | 75 | 20 | 68 | LOOSE_SAND | 5 | 0.60 | 0.70 | 0.80 | 2.2 | 2.5 | 2.9 | 1.3 | 1.6 | 1.8 |
| Partly_Cloudy | 75 | 20 | 68 | LOOSE_SAND | 10 | 0.35 | 0.45 | 0.55 | 1.3 | 1.6 | 2.0 | 0.8 | 1.0 | 1.2 |
| Partly_Cloudy | 75 | 20 | 68 | LOOSE_SAND | 15 | 0.25 | 0.35 | 0.40 | 0.9 | 1.3 | 1.4 | 0.6 | 0.8 | 0.9 |
| Partly_Cloudy | 75 | 20 | 68 | LOOSE_SAND | 20 | 0.20 | 0.25 | 0.30 | 0.7 | 0.9 | 1.1 | 0.4 | 0.6 | 0.7 |
| Partly_Cloudy | 75 | 20 | 68 | LOOSE_SAND | 30 | 0.15 | 0.15 | 0.20 | 0.5 | 0.5 | 0.7 | 0.3 | 0.3 | 0.4 |
| Partly_Cloudy | 75 | 20 | 68 | LOOSE_SAND | 40 | 0.10 | 0.10 | 0.15 | 0.4 | 0.4 | 0.5 | 0.2 | 0.2 | 0.3 |
| Partly_Cloudy | 75 | 20 | 68 | LOOSE_SAND | 50 | 0.05 | 0.10 | 0.10 | 0.2 | 0.4 | 0.4 | 0.1 | 0.2 | 0.2 |

Table G-26. Maximum Sustainable Speed, Partly Cloudy, 75% Humidity, 25°C (77°F)

| Cloud Cover | RH (%) | °C | °F | Terrain Type | Grade (%) | Max Sustainable Speed (meters/second) | | | Max Sustainable Speed (kilometers/hour) | | | Max Sustainable Speed (miles/hour) | | |
|---------------|--------|----|----|--------------|-----------|---------------------------------------|------|------|---|-----|------|------------------------------------|-----|------|
| | | | | | | Risk Level | | | Risk Level | | | Risk Level | | |
| | | | | | | Low | Mod | High | Low | Mod | High | Low | Mod | High |
| Partly_Cloudy | 75 | 25 | 77 | BLACK_TOP | -50 | 0.60 | 0.65 | 0.75 | 2.2 | 2.3 | 2.7 | 1.3 | 1.5 | 1.7 |
| Partly_Cloudy | 75 | 25 | 77 | BLACK_TOP | -40 | 0.65 | 0.75 | 0.85 | 2.3 | 2.7 | 3.1 | 1.5 | 1.7 | 1.9 |
| Partly_Cloudy | 75 | 25 | 77 | BLACK_TOP | -30 | 0.80 | 0.85 | 1.00 | 2.9 | 3.1 | 3.6 | 1.8 | 1.9 | 2.2 |
| Partly_Cloudy | 75 | 25 | 77 | BLACK_TOP | -20 | 0.90 | 1.00 | 1.15 | 3.2 | 3.6 | 4.1 | 2.0 | 2.2 | 2.6 |
| Partly_Cloudy | 75 | 25 | 77 | BLACK_TOP | -15 | 1.00 | 1.10 | 1.25 | 3.6 | 4.0 | 4.5 | 2.2 | 2.5 | 2.8 |
| Partly_Cloudy | 75 | 25 | 77 | BLACK_TOP | -10 | 1.10 | 1.20 | 1.35 | 4.0 | 4.3 | 4.9 | 2.5 | 2.7 | 3.0 |
| Partly_Cloudy | 75 | 25 | 77 | BLACK_TOP | -5 | 1.20 | 1.30 | 1.45 | 4.3 | 4.7 | 5.2 | 2.7 | 2.9 | 3.2 |
| Partly_Cloudy | 75 | 25 | 77 | BLACK_TOP | 0 | 1.30 | 1.40 | 1.55 | 4.7 | 5.0 | 5.6 | 2.9 | 3.1 | 3.5 |
| Partly_Cloudy | 75 | 25 | 77 | BLACK_TOP | 5 | 0.85 | 0.95 | 1.05 | 3.1 | 3.4 | 3.8 | 1.9 | 2.1 | 2.4 |
| Partly_Cloudy | 75 | 25 | 77 | BLACK_TOP | 10 | 0.60 | 0.65 | 0.75 | 2.2 | 2.3 | 2.7 | 1.3 | 1.5 | 1.7 |
| Partly_Cloudy | 75 | 25 | 77 | BLACK_TOP | 15 | 0.40 | 0.50 | 0.60 | 1.4 | 1.8 | 2.2 | 0.9 | 1.1 | 1.3 |
| Partly_Cloudy | 75 | 25 | 77 | BLACK_TOP | 20 | 0.35 | 0.35 | 0.45 | 1.3 | 1.3 | 1.6 | 0.8 | 0.8 | 1.0 |
| Partly_Cloudy | 75 | 25 | 77 | BLACK_TOP | 30 | 0.20 | 0.25 | 0.30 | 0.7 | 0.9 | 1.1 | 0.4 | 0.6 | 0.7 |
| Partly_Cloudy | 75 | 25 | 77 | BLACK_TOP | 40 | 0.15 | 0.20 | 0.25 | 0.5 | 0.7 | 0.9 | 0.3 | 0.4 | 0.6 |
| Partly_Cloudy | 75 | 25 | 77 | BLACK_TOP | 50 | 0.10 | 0.15 | 0.20 | 0.4 | 0.5 | 0.7 | 0.2 | 0.3 | 0.4 |
| Partly_Cloudy | 75 | 25 | 77 | DIRT_ROAD | -50 | 0.55 | 0.60 | 0.70 | 2.0 | 2.2 | 2.5 | 1.2 | 1.3 | 1.6 |
| Partly_Cloudy | 75 | 25 | 77 | DIRT_ROAD | -40 | 0.60 | 0.70 | 0.80 | 2.2 | 2.5 | 2.9 | 1.3 | 1.6 | 1.8 |
| Partly_Cloudy | 75 | 25 | 77 | DIRT_ROAD | -30 | 0.70 | 0.80 | 0.95 | 2.5 | 2.9 | 3.4 | 1.6 | 1.8 | 2.1 |
| Partly_Cloudy | 75 | 25 | 77 | DIRT_ROAD | -20 | 0.85 | 0.95 | 1.10 | 3.1 | 3.4 | 4.0 | 1.9 | 2.1 | 2.5 |
| Partly_Cloudy | 75 | 25 | 77 | DIRT_ROAD | -15 | 0.95 | 1.05 | 1.15 | 3.4 | 3.8 | 4.1 | 2.1 | 2.4 | 2.6 |
| Partly_Cloudy | 75 | 25 | 77 | DIRT_ROAD | -10 | 1.05 | 1.10 | 1.25 | 3.8 | 4.0 | 4.5 | 2.4 | 2.5 | 2.8 |
| Partly_Cloudy | 75 | 25 | 77 | DIRT_ROAD | -5 | 1.15 | 1.20 | 1.35 | 4.1 | 4.3 | 4.9 | 2.6 | 2.7 | 3.0 |
| Partly_Cloudy | 75 | 25 | 77 | DIRT_ROAD | 0 | 1.25 | 1.35 | 1.50 | 4.5 | 4.9 | 5.4 | 2.8 | 3.0 | 3.4 |
| Partly_Cloudy | 75 | 25 | 77 | DIRT_ROAD | 5 | 0.80 | 0.85 | 1.00 | 2.9 | 3.1 | 3.6 | 1.8 | 1.9 | 2.2 |
| Partly_Cloudy | 75 | 25 | 77 | DIRT_ROAD | 10 | 0.55 | 0.60 | 0.70 | 2.0 | 2.2 | 2.5 | 1.2 | 1.3 | 1.6 |
| Partly_Cloudy | 75 | 25 | 77 | DIRT_ROAD | 15 | 0.40 | 0.45 | 0.55 | 1.4 | 1.6 | 2.0 | 0.9 | 1.0 | 1.2 |
| Partly_Cloudy | 75 | 25 | 77 | DIRT_ROAD | 20 | 0.30 | 0.35 | 0.40 | 1.1 | 1.3 | 1.4 | 0.7 | 0.8 | 0.9 |
| Partly_Cloudy | 75 | 25 | 77 | DIRT_ROAD | 30 | 0.20 | 0.25 | 0.30 | 0.7 | 0.9 | 1.1 | 0.4 | 0.6 | 0.7 |
| Partly_Cloudy | 75 | 25 | 77 | DIRT_ROAD | 40 | 0.15 | 0.15 | 0.20 | 0.5 | 0.5 | 0.7 | 0.3 | 0.3 | 0.4 |
| Partly_Cloudy | 75 | 25 | 77 | DIRT_ROAD | 50 | 0.10 | 0.15 | 0.15 | 0.4 | 0.5 | 0.5 | 0.2 | 0.3 | 0.3 |
| Partly_Cloudy | 75 | 25 | 77 | LOOSE_SAND | -50 | 0.30 | 0.35 | 0.40 | 1.1 | 1.3 | 1.4 | 0.7 | 0.8 | 0.9 |
| Partly_Cloudy | 75 | 25 | 77 | LOOSE_SAND | -40 | 0.35 | 0.40 | 0.50 | 1.3 | 1.4 | 1.8 | 0.8 | 0.9 | 1.1 |
| Partly_Cloudy | 75 | 25 | 77 | LOOSE_SAND | -30 | 0.45 | 0.50 | 0.55 | 1.6 | 1.8 | 2.0 | 1.0 | 1.1 | 1.2 |
| Partly_Cloudy | 75 | 25 | 77 | LOOSE_SAND | -20 | 0.55 | 0.60 | 0.70 | 2.0 | 2.2 | 2.5 | 1.2 | 1.3 | 1.6 |
| Partly_Cloudy | 75 | 25 | 77 | LOOSE_SAND | -15 | 0.60 | 0.65 | 0.75 | 2.2 | 2.3 | 2.7 | 1.3 | 1.5 | 1.7 |
| Partly_Cloudy | 75 | 25 | 77 | LOOSE_SAND | -10 | 0.70 | 0.75 | 0.85 | 2.5 | 2.7 | 3.1 | 1.6 | 1.7 | 1.9 |
| Partly_Cloudy | 75 | 25 | 77 | LOOSE_SAND | -5 | 0.80 | 0.85 | 0.95 | 2.9 | 3.1 | 3.4 | 1.8 | 1.9 | 2.1 |
| Partly_Cloudy | 75 | 25 | 77 | LOOSE_SAND | 0 | 0.90 | 0.95 | 1.05 | 3.2 | 3.4 | 3.8 | 2.0 | 2.1 | 2.4 |
| Partly_Cloudy | 75 | 25 | 77 | LOOSE_SAND | 5 | 0.50 | 0.55 | 0.65 | 1.8 | 2.0 | 2.3 | 1.1 | 1.2 | 1.5 |
| Partly_Cloudy | 75 | 25 | 77 | LOOSE_SAND | 10 | 0.30 | 0.35 | 0.40 | 1.1 | 1.3 | 1.4 | 0.7 | 0.8 | 0.9 |
| Partly_Cloudy | 75 | 25 | 77 | LOOSE_SAND | 15 | 0.20 | 0.25 | 0.30 | 0.7 | 0.9 | 1.1 | 0.4 | 0.6 | 0.7 |
| Partly_Cloudy | 75 | 25 | 77 | LOOSE_SAND | 20 | 0.15 | 0.15 | 0.20 | 0.5 | 0.5 | 0.7 | 0.3 | 0.3 | 0.4 |
| Partly_Cloudy | 75 | 25 | 77 | LOOSE_SAND | 30 | 0.10 | 0.10 | 0.15 | 0.4 | 0.4 | 0.5 | 0.2 | 0.2 | 0.3 |
| Partly_Cloudy | 75 | 25 | 77 | LOOSE_SAND | 40 | 0.05 | 0.10 | 0.10 | 0.2 | 0.4 | 0.4 | 0.1 | 0.2 | 0.2 |
| Partly_Cloudy | 75 | 25 | 77 | LOOSE_SAND | 50 | 0.05 | 0.05 | 0.10 | 0.2 | 0.2 | 0.4 | 0.1 | 0.1 | 0.2 |

Table G-27. Maximum Sustainable Speed, Partly Cloudy, 75% Humidity, 30°C (86°F)

| Cloud Cover | RH (%) | °C | °F | Terrain Type | Grade (%) | Max Sustainable Speed (meters/second) | | | Max Sustainable Speed (kilometers/hour) | | | Max Sustainable Speed (miles/hour) | | |
|---------------|--------|----|----|--------------|-----------|---------------------------------------|------|------|---|-----|------|------------------------------------|-----|------|
| | | | | | | Risk Level | | | Risk Level | | | Risk Level | | |
| | | | | | | Low | Mod | High | Low | Mod | High | Low | Mod | High |
| Partly_Cloudy | 75 | 30 | 86 | BLACK_TOP | -50 | 0.30 | 0.35 | 0.45 | 1.1 | 1.3 | 1.6 | 0.7 | 0.8 | 1.0 |
| Partly_Cloudy | 75 | 30 | 86 | BLACK_TOP | -40 | 0.35 | 0.40 | 0.55 | 1.3 | 1.4 | 2.0 | 0.8 | 0.9 | 1.2 |
| Partly_Cloudy | 75 | 30 | 86 | BLACK_TOP | -30 | 0.40 | 0.50 | 0.65 | 1.4 | 1.8 | 2.3 | 0.9 | 1.1 | 1.5 |
| Partly_Cloudy | 75 | 30 | 86 | BLACK_TOP | -20 | 0.55 | 0.60 | 0.80 | 2.0 | 2.2 | 2.9 | 1.2 | 1.3 | 1.8 |
| Partly_Cloudy | 75 | 30 | 86 | BLACK_TOP | -15 | 0.60 | 0.70 | 0.85 | 2.2 | 2.5 | 3.1 | 1.3 | 1.6 | 1.9 |
| Partly_Cloudy | 75 | 30 | 86 | BLACK_TOP | -10 | 0.70 | 0.80 | 0.95 | 2.5 | 2.9 | 3.4 | 1.6 | 1.8 | 2.1 |
| Partly_Cloudy | 75 | 30 | 86 | BLACK_TOP | -5 | 0.80 | 0.85 | 1.05 | 2.9 | 3.1 | 3.8 | 1.8 | 1.9 | 2.4 |
| Partly_Cloudy | 75 | 30 | 86 | BLACK_TOP | 0 | 0.90 | 1.00 | 1.15 | 3.2 | 3.6 | 4.1 | 2.0 | 2.2 | 2.6 |
| Partly_Cloudy | 75 | 30 | 86 | BLACK_TOP | 5 | 0.45 | 0.55 | 0.70 | 1.6 | 2.0 | 2.5 | 1.0 | 1.2 | 1.6 |
| Partly_Cloudy | 75 | 30 | 86 | BLACK_TOP | 10 | 0.30 | 0.35 | 0.45 | 1.1 | 1.3 | 1.6 | 0.7 | 0.8 | 1.0 |
| Partly_Cloudy | 75 | 30 | 86 | BLACK_TOP | 15 | 0.20 | 0.25 | 0.35 | 0.7 | 0.9 | 1.3 | 0.4 | 0.6 | 0.8 |
| Partly_Cloudy | 75 | 30 | 86 | BLACK_TOP | 20 | 0.15 | 0.20 | 0.25 | 0.5 | 0.7 | 0.9 | 0.3 | 0.4 | 0.6 |
| Partly_Cloudy | 75 | 30 | 86 | BLACK_TOP | 30 | 0.10 | 0.10 | 0.15 | 0.4 | 0.4 | 0.5 | 0.2 | 0.2 | 0.3 |
| Partly_Cloudy | 75 | 30 | 86 | BLACK_TOP | 40 | 0.05 | 0.10 | 0.10 | 0.2 | 0.4 | 0.4 | 0.1 | 0.2 | 0.2 |
| Partly_Cloudy | 75 | 30 | 86 | BLACK_TOP | 50 | 0.05 | 0.05 | 0.10 | 0.2 | 0.2 | 0.4 | 0.1 | 0.1 | 0.2 |
| Partly_Cloudy | 75 | 30 | 86 | DIRT_ROAD | -50 | 0.25 | 0.30 | 0.45 | 0.9 | 1.1 | 1.6 | 0.6 | 0.7 | 1.0 |
| Partly_Cloudy | 75 | 30 | 86 | DIRT_ROAD | -40 | 0.30 | 0.40 | 0.50 | 1.1 | 1.4 | 1.8 | 0.7 | 0.9 | 1.1 |
| Partly_Cloudy | 75 | 30 | 86 | DIRT_ROAD | -30 | 0.40 | 0.45 | 0.60 | 1.4 | 1.6 | 2.2 | 0.9 | 1.0 | 1.3 |
| Partly_Cloudy | 75 | 30 | 86 | DIRT_ROAD | -20 | 0.50 | 0.60 | 0.75 | 1.8 | 2.2 | 2.7 | 1.1 | 1.3 | 1.7 |
| Partly_Cloudy | 75 | 30 | 86 | DIRT_ROAD | -15 | 0.55 | 0.65 | 0.80 | 2.0 | 2.3 | 2.9 | 1.2 | 1.5 | 1.8 |
| Partly_Cloudy | 75 | 30 | 86 | DIRT_ROAD | -10 | 0.65 | 0.75 | 0.90 | 2.3 | 2.7 | 3.2 | 1.5 | 1.7 | 2.0 |
| Partly_Cloudy | 75 | 30 | 86 | DIRT_ROAD | -5 | 0.75 | 0.85 | 1.00 | 2.7 | 3.1 | 3.6 | 1.7 | 1.9 | 2.2 |
| Partly_Cloudy | 75 | 30 | 86 | DIRT_ROAD | 0 | 0.85 | 0.95 | 1.10 | 3.1 | 3.4 | 4.0 | 1.9 | 2.1 | 2.5 |
| Partly_Cloudy | 75 | 30 | 86 | DIRT_ROAD | 5 | 0.45 | 0.50 | 0.65 | 1.6 | 1.8 | 2.3 | 1.0 | 1.1 | 1.5 |
| Partly_Cloudy | 75 | 30 | 86 | DIRT_ROAD | 10 | 0.25 | 0.30 | 0.45 | 0.9 | 1.1 | 1.6 | 0.6 | 0.7 | 1.0 |
| Partly_Cloudy | 75 | 30 | 86 | DIRT_ROAD | 15 | 0.20 | 0.20 | 0.30 | 0.7 | 0.7 | 1.1 | 0.4 | 0.4 | 0.7 |
| Partly_Cloudy | 75 | 30 | 86 | DIRT_ROAD | 20 | 0.15 | 0.15 | 0.25 | 0.5 | 0.5 | 0.9 | 0.3 | 0.3 | 0.6 |
| Partly_Cloudy | 75 | 30 | 86 | DIRT_ROAD | 30 | 0.10 | 0.10 | 0.15 | 0.4 | 0.4 | 0.5 | 0.2 | 0.2 | 0.3 |
| Partly_Cloudy | 75 | 30 | 86 | DIRT_ROAD | 40 | 0.05 | 0.05 | 0.10 | 0.2 | 0.2 | 0.4 | 0.1 | 0.1 | 0.2 |
| Partly_Cloudy | 75 | 30 | 86 | DIRT_ROAD | 50 | 0.05 | 0.05 | 0.10 | 0.2 | 0.2 | 0.4 | 0.1 | 0.1 | 0.2 |
| Partly_Cloudy | 75 | 30 | 86 | LOOSE_SAND | -50 | 0.15 | 0.15 | 0.25 | 0.5 | 0.5 | 0.9 | 0.3 | 0.3 | 0.6 |
| Partly_Cloudy | 75 | 30 | 86 | LOOSE_SAND | -40 | 0.15 | 0.20 | 0.30 | 0.5 | 0.7 | 1.1 | 0.3 | 0.4 | 0.7 |
| Partly_Cloudy | 75 | 30 | 86 | LOOSE_SAND | -30 | 0.20 | 0.25 | 0.35 | 0.7 | 0.9 | 1.3 | 0.4 | 0.6 | 0.8 |
| Partly_Cloudy | 75 | 30 | 86 | LOOSE_SAND | -20 | 0.30 | 0.35 | 0.45 | 1.1 | 1.3 | 1.6 | 0.7 | 0.8 | 1.0 |
| Partly_Cloudy | 75 | 30 | 86 | LOOSE_SAND | -15 | 0.35 | 0.40 | 0.50 | 1.3 | 1.4 | 1.8 | 0.8 | 0.9 | 1.1 |
| Partly_Cloudy | 75 | 30 | 86 | LOOSE_SAND | -10 | 0.40 | 0.50 | 0.60 | 1.4 | 1.8 | 2.2 | 0.9 | 1.1 | 1.3 |
| Partly_Cloudy | 75 | 30 | 86 | LOOSE_SAND | -5 | 0.50 | 0.55 | 0.70 | 1.8 | 2.0 | 2.5 | 1.1 | 1.2 | 1.6 |
| Partly_Cloudy | 75 | 30 | 86 | LOOSE_SAND | 0 | 0.60 | 0.65 | 0.80 | 2.2 | 2.3 | 2.9 | 1.3 | 1.5 | 1.8 |
| Partly_Cloudy | 75 | 30 | 86 | LOOSE_SAND | 5 | 0.25 | 0.30 | 0.40 | 0.9 | 1.1 | 1.4 | 0.6 | 0.7 | 0.9 |
| Partly_Cloudy | 75 | 30 | 86 | LOOSE_SAND | 10 | 0.15 | 0.15 | 0.25 | 0.5 | 0.5 | 0.9 | 0.3 | 0.3 | 0.6 |
| Partly_Cloudy | 75 | 30 | 86 | LOOSE_SAND | 15 | 0.10 | 0.10 | 0.15 | 0.4 | 0.4 | 0.5 | 0.2 | 0.2 | 0.3 |
| Partly_Cloudy | 75 | 30 | 86 | LOOSE_SAND | 20 | 0.05 | 0.10 | 0.10 | 0.2 | 0.4 | 0.4 | 0.1 | 0.2 | 0.2 |
| Partly_Cloudy | 75 | 30 | 86 | LOOSE_SAND | 30 | 0.05 | 0.05 | 0.05 | 0.2 | 0.2 | 0.2 | 0.1 | 0.1 | 0.1 |
| Partly_Cloudy | 75 | 30 | 86 | LOOSE_SAND | 40 | 0.00 | 0.05 | 0.05 | 0.0 | 0.2 | 0.2 | 0.0 | 0.1 | 0.1 |
| Partly_Cloudy | 75 | 30 | 86 | LOOSE_SAND | 50 | 0.00 | 0.00 | 0.05 | 0.0 | 0.0 | 0.2 | 0.0 | 0.0 | 0.1 |

Table G-28. Maximum Sustainable Speed, Partly Cloudy, 75% Humidity, 35°C (95°F)

| Cloud Cover | RH (%) | °C | °F | Terrain Type | Grade (%) | Max Sustainable Speed (meters/second) | | | Max Sustainable Speed (kilometers/hour) | | | Max Sustainable Speed (miles/hour) | | |
|---------------|--------|----|----|--------------|-----------|---------------------------------------|------|------|---|-----|------|------------------------------------|-----|------|
| | | | | | | Risk Level | | | Risk Level | | | Risk Level | | |
| | | | | | | Low | Mod | High | Low | Mod | High | Low | Mod | High |
| Partly_Cloudy | 75 | 35 | 95 | BLACK_TOP | -50 | 0.00 | 0.00 | 0.05 | 0.0 | 0.0 | 0.2 | 0.0 | 0.0 | 0.1 |
| Partly_Cloudy | 75 | 35 | 95 | BLACK_TOP | -40 | 0.00 | 0.00 | 0.10 | 0.0 | 0.0 | 0.4 | 0.0 | 0.0 | 0.2 |
| Partly_Cloudy | 75 | 35 | 95 | BLACK_TOP | -30 | 0.00 | 0.00 | 0.15 | 0.0 | 0.0 | 0.5 | 0.0 | 0.0 | 0.3 |
| Partly_Cloudy | 75 | 35 | 95 | BLACK_TOP | -20 | 0.00 | 0.00 | 0.20 | 0.0 | 0.0 | 0.7 | 0.0 | 0.0 | 0.4 |
| Partly_Cloudy | 75 | 35 | 95 | BLACK_TOP | -15 | 0.00 | 0.00 | 0.25 | 0.0 | 0.0 | 0.9 | 0.0 | 0.0 | 0.6 |
| Partly_Cloudy | 75 | 35 | 95 | BLACK_TOP | -10 | 0.00 | 0.00 | 0.30 | 0.0 | 0.0 | 1.1 | 0.0 | 0.0 | 0.7 |
| Partly_Cloudy | 75 | 35 | 95 | BLACK_TOP | -5 | 0.00 | 0.00 | 0.35 | 0.0 | 0.0 | 1.3 | 0.0 | 0.0 | 0.8 |
| Partly_Cloudy | 75 | 35 | 95 | BLACK_TOP | 0 | 0.00 | 0.00 | 0.45 | 0.0 | 0.0 | 1.6 | 0.0 | 0.0 | 1.0 |
| Partly_Cloudy | 75 | 35 | 95 | BLACK_TOP | 5 | 0.00 | 0.00 | 0.15 | 0.0 | 0.0 | 0.5 | 0.0 | 0.0 | 0.3 |
| Partly_Cloudy | 75 | 35 | 95 | BLACK_TOP | 10 | 0.00 | 0.00 | 0.05 | 0.0 | 0.0 | 0.2 | 0.0 | 0.0 | 0.1 |
| Partly_Cloudy | 75 | 35 | 95 | BLACK_TOP | 15 | 0.00 | 0.00 | 0.05 | 0.0 | 0.0 | 0.2 | 0.0 | 0.0 | 0.1 |
| Partly_Cloudy | 75 | 35 | 95 | BLACK_TOP | 20 | 0.00 | 0.00 | 0.05 | 0.0 | 0.0 | 0.2 | 0.0 | 0.0 | 0.1 |
| Partly_Cloudy | 75 | 35 | 95 | BLACK_TOP | 30 | 0.00 | 0.00 | 0.00 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Partly_Cloudy | 75 | 35 | 95 | BLACK_TOP | 40 | 0.00 | 0.00 | 0.00 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Partly_Cloudy | 75 | 35 | 95 | BLACK_TOP | 50 | 0.00 | 0.00 | 0.00 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Partly_Cloudy | 75 | 35 | 95 | DIRT_ROAD | -50 | 0.00 | 0.00 | 0.05 | 0.0 | 0.0 | 0.2 | 0.0 | 0.0 | 0.1 |
| Partly_Cloudy | 75 | 35 | 95 | DIRT_ROAD | -40 | 0.00 | 0.00 | 0.10 | 0.0 | 0.0 | 0.4 | 0.0 | 0.0 | 0.2 |
| Partly_Cloudy | 75 | 35 | 95 | DIRT_ROAD | -30 | 0.00 | 0.00 | 0.10 | 0.0 | 0.0 | 0.4 | 0.0 | 0.0 | 0.2 |
| Partly_Cloudy | 75 | 35 | 95 | DIRT_ROAD | -20 | 0.00 | 0.00 | 0.15 | 0.0 | 0.0 | 0.5 | 0.0 | 0.0 | 0.3 |
| Partly_Cloudy | 75 | 35 | 95 | DIRT_ROAD | -15 | 0.00 | 0.00 | 0.20 | 0.0 | 0.0 | 0.7 | 0.0 | 0.0 | 0.4 |
| Partly_Cloudy | 75 | 35 | 95 | DIRT_ROAD | -10 | 0.00 | 0.00 | 0.25 | 0.0 | 0.0 | 0.9 | 0.0 | 0.0 | 0.6 |
| Partly_Cloudy | 75 | 35 | 95 | DIRT_ROAD | -5 | 0.00 | 0.00 | 0.35 | 0.0 | 0.0 | 1.3 | 0.0 | 0.0 | 0.8 |
| Partly_Cloudy | 75 | 35 | 95 | DIRT_ROAD | 0 | 0.00 | 0.00 | 0.45 | 0.0 | 0.0 | 1.6 | 0.0 | 0.0 | 1.0 |
| Partly_Cloudy | 75 | 35 | 95 | DIRT_ROAD | 5 | 0.00 | 0.00 | 0.15 | 0.0 | 0.0 | 0.5 | 0.0 | 0.0 | 0.3 |
| Partly_Cloudy | 75 | 35 | 95 | DIRT_ROAD | 10 | 0.00 | 0.00 | 0.05 | 0.0 | 0.0 | 0.2 | 0.0 | 0.0 | 0.1 |
| Partly_Cloudy | 75 | 35 | 95 | DIRT_ROAD | 15 | 0.00 | 0.00 | 0.05 | 0.0 | 0.0 | 0.2 | 0.0 | 0.0 | 0.1 |
| Partly_Cloudy | 75 | 35 | 95 | DIRT_ROAD | 20 | 0.00 | 0.00 | 0.00 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Partly_Cloudy | 75 | 35 | 95 | DIRT_ROAD | 30 | 0.00 | 0.00 | 0.00 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Partly_Cloudy | 75 | 35 | 95 | DIRT_ROAD | 40 | 0.00 | 0.00 | 0.00 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Partly_Cloudy | 75 | 35 | 95 | DIRT_ROAD | 50 | 0.00 | 0.00 | 0.00 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Partly_Cloudy | 75 | 35 | 95 | LOOSE_SAND | -50 | 0.00 | 0.00 | 0.00 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Partly_Cloudy | 75 | 35 | 95 | LOOSE_SAND | -40 | 0.00 | 0.00 | 0.05 | 0.0 | 0.0 | 0.2 | 0.0 | 0.0 | 0.1 |
| Partly_Cloudy | 75 | 35 | 95 | LOOSE_SAND | -30 | 0.00 | 0.00 | 0.05 | 0.0 | 0.0 | 0.2 | 0.0 | 0.0 | 0.1 |
| Partly_Cloudy | 75 | 35 | 95 | LOOSE_SAND | -20 | 0.00 | 0.00 | 0.10 | 0.0 | 0.0 | 0.4 | 0.0 | 0.0 | 0.2 |
| Partly_Cloudy | 75 | 35 | 95 | LOOSE_SAND | -15 | 0.00 | 0.00 | 0.10 | 0.0 | 0.0 | 0.4 | 0.0 | 0.0 | 0.2 |
| Partly_Cloudy | 75 | 35 | 95 | LOOSE_SAND | -10 | 0.00 | 0.00 | 0.15 | 0.0 | 0.0 | 0.5 | 0.0 | 0.0 | 0.3 |
| Partly_Cloudy | 75 | 35 | 95 | LOOSE_SAND | -5 | 0.00 | 0.00 | 0.20 | 0.0 | 0.0 | 0.7 | 0.0 | 0.0 | 0.4 |
| Partly_Cloudy | 75 | 35 | 95 | LOOSE_SAND | 0 | 0.00 | 0.00 | 0.30 | 0.0 | 0.0 | 1.1 | 0.0 | 0.0 | 0.7 |
| Partly_Cloudy | 75 | 35 | 95 | LOOSE_SAND | 5 | 0.00 | 0.00 | 0.05 | 0.0 | 0.0 | 0.2 | 0.0 | 0.0 | 0.1 |
| Partly_Cloudy | 75 | 35 | 95 | LOOSE_SAND | 10 | 0.00 | 0.00 | 0.00 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Partly_Cloudy | 75 | 35 | 95 | LOOSE_SAND | 15 | 0.00 | 0.00 | 0.00 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Partly_Cloudy | 75 | 35 | 95 | LOOSE_SAND | 20 | 0.00 | 0.00 | 0.00 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Partly_Cloudy | 75 | 35 | 95 | LOOSE_SAND | 30 | 0.00 | 0.00 | 0.00 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Partly_Cloudy | 75 | 35 | 95 | LOOSE_SAND | 40 | 0.00 | 0.00 | 0.00 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Partly_Cloudy | 75 | 35 | 95 | LOOSE_SAND | 50 | 0.00 | 0.00 | 0.00 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

Table G-29. Maximum Sustainable Speed, Partly Cloudy, 95% Humidity, 5°C (41°F)

| Cloud Cover | RH (%) | °C | °F | Terrain Type | Grade (%) | Max Sustainable Speed (meters/second) | | | Max Sustainable Speed (kilometers/hour) | | | Max Sustainable Speed (miles/hour) | | |
|---------------|--------|----|----|--------------|-----------|---------------------------------------|------|------|---|-----|------|------------------------------------|-----|------|
| | | | | | | Risk Level | | | Risk Level | | | Risk Level | | |
| | | | | | | Low | Mod | High | Low | Mod | High | Low | Mod | High |
| Partly_Cloudy | 95 | 5 | 41 | BLACK_TOP | -50 | 1.00 | 1.25 | 1.55 | 3.6 | 4.5 | 5.6 | 2.2 | 2.8 | 3.5 |
| Partly_Cloudy | 95 | 5 | 41 | BLACK_TOP | -40 | 1.10 | 1.35 | 1.65 | 4.0 | 4.9 | 5.9 | 2.5 | 3.0 | 3.7 |
| Partly_Cloudy | 95 | 5 | 41 | BLACK_TOP | -30 | 1.25 | 1.50 | 1.85 | 4.5 | 5.4 | 6.7 | 2.8 | 3.4 | 4.1 |
| Partly_Cloudy | 95 | 5 | 41 | BLACK_TOP | -20 | 1.40 | 1.70 | 2.00 | 5.0 | 6.1 | 7.2 | 3.1 | 3.8 | 4.5 |
| Partly_Cloudy | 95 | 5 | 41 | BLACK_TOP | -15 | 1.50 | 1.75 | 2.10 | 5.4 | 6.3 | 7.6 | 3.4 | 3.9 | 4.7 |
| Partly_Cloudy | 95 | 5 | 41 | BLACK_TOP | -10 | 1.60 | 1.85 | 2.20 | 5.8 | 6.7 | 7.9 | 3.6 | 4.1 | 4.9 |
| Partly_Cloudy | 95 | 5 | 41 | BLACK_TOP | -5 | 1.70 | 2.00 | 2.30 | 6.1 | 7.2 | 8.3 | 3.8 | 4.5 | 5.2 |
| Partly_Cloudy | 95 | 5 | 41 | BLACK_TOP | 0 | 1.80 | 2.10 | 2.45 | 6.5 | 7.6 | 8.8 | 4.0 | 4.7 | 5.5 |
| Partly_Cloudy | 95 | 5 | 41 | BLACK_TOP | 5 | 1.35 | 1.60 | 1.90 | 4.9 | 5.8 | 6.8 | 3.0 | 3.6 | 4.3 |
| Partly_Cloudy | 95 | 5 | 41 | BLACK_TOP | 10 | 1.00 | 1.25 | 1.55 | 3.6 | 4.5 | 5.6 | 2.2 | 2.8 | 3.5 |
| Partly_Cloudy | 95 | 5 | 41 | BLACK_TOP | 15 | 0.75 | 0.95 | 1.25 | 2.7 | 3.4 | 4.5 | 1.7 | 2.1 | 2.8 |
| Partly_Cloudy | 95 | 5 | 41 | BLACK_TOP | 20 | 0.60 | 0.80 | 1.05 | 2.2 | 2.9 | 3.8 | 1.3 | 1.8 | 2.4 |
| Partly_Cloudy | 95 | 5 | 41 | BLACK_TOP | 30 | 0.45 | 0.55 | 0.75 | 1.6 | 2.0 | 2.7 | 1.0 | 1.2 | 1.7 |
| Partly_Cloudy | 95 | 5 | 41 | BLACK_TOP | 40 | 0.35 | 0.45 | 0.60 | 1.3 | 1.6 | 2.2 | 0.8 | 1.0 | 1.3 |
| Partly_Cloudy | 95 | 5 | 41 | BLACK_TOP | 50 | 0.25 | 0.35 | 0.45 | 0.9 | 1.3 | 1.6 | 0.6 | 0.8 | 1.0 |
| Partly_Cloudy | 95 | 5 | 41 | DIRT_ROAD | -50 | 0.90 | 1.15 | 1.45 | 3.2 | 4.1 | 5.2 | 2.0 | 2.6 | 3.2 |
| Partly_Cloudy | 95 | 5 | 41 | DIRT_ROAD | -40 | 1.05 | 1.25 | 1.55 | 3.8 | 4.5 | 5.6 | 2.4 | 2.8 | 3.5 |
| Partly_Cloudy | 95 | 5 | 41 | DIRT_ROAD | -30 | 1.15 | 1.40 | 1.70 | 4.1 | 5.0 | 6.1 | 2.6 | 3.1 | 3.8 |
| Partly_Cloudy | 95 | 5 | 41 | DIRT_ROAD | -20 | 1.35 | 1.60 | 1.90 | 4.9 | 5.8 | 6.8 | 3.0 | 3.6 | 4.3 |
| Partly_Cloudy | 95 | 5 | 41 | DIRT_ROAD | -15 | 1.40 | 1.65 | 2.00 | 5.0 | 5.9 | 7.2 | 3.1 | 3.7 | 4.5 |
| Partly_Cloudy | 95 | 5 | 41 | DIRT_ROAD | -10 | 1.50 | 1.75 | 2.10 | 5.4 | 6.3 | 7.6 | 3.4 | 3.9 | 4.7 |
| Partly_Cloudy | 95 | 5 | 41 | DIRT_ROAD | -5 | 1.60 | 1.90 | 2.20 | 5.8 | 6.8 | 7.9 | 3.6 | 4.3 | 4.9 |
| Partly_Cloudy | 95 | 5 | 41 | DIRT_ROAD | 0 | 1.75 | 2.00 | 2.30 | 6.3 | 7.2 | 8.3 | 3.9 | 4.5 | 5.2 |
| Partly_Cloudy | 95 | 5 | 41 | DIRT_ROAD | 5 | 1.25 | 1.50 | 1.80 | 4.5 | 5.4 | 6.5 | 2.8 | 3.4 | 4.0 |
| Partly_Cloudy | 95 | 5 | 41 | DIRT_ROAD | 10 | 0.90 | 1.15 | 1.45 | 3.2 | 4.1 | 5.2 | 2.0 | 2.6 | 3.2 |
| Partly_Cloudy | 95 | 5 | 41 | DIRT_ROAD | 15 | 0.70 | 0.90 | 1.15 | 2.5 | 3.2 | 4.1 | 1.6 | 2.0 | 2.6 |
| Partly_Cloudy | 95 | 5 | 41 | DIRT_ROAD | 20 | 0.55 | 0.75 | 0.95 | 2.0 | 2.7 | 3.4 | 1.2 | 1.7 | 2.1 |
| Partly_Cloudy | 95 | 5 | 41 | DIRT_ROAD | 30 | 0.40 | 0.50 | 0.70 | 1.4 | 1.8 | 2.5 | 0.9 | 1.1 | 1.6 |
| Partly_Cloudy | 95 | 5 | 41 | DIRT_ROAD | 40 | 0.30 | 0.40 | 0.55 | 1.1 | 1.4 | 2.0 | 0.7 | 0.9 | 1.2 |
| Partly_Cloudy | 95 | 5 | 41 | DIRT_ROAD | 50 | 0.25 | 0.30 | 0.45 | 0.9 | 1.1 | 1.6 | 0.6 | 0.7 | 1.0 |
| Partly_Cloudy | 95 | 5 | 41 | LOOSE_SAND | -50 | 0.55 | 0.70 | 0.85 | 2.0 | 2.5 | 3.1 | 1.2 | 1.6 | 1.9 |
| Partly_Cloudy | 95 | 5 | 41 | LOOSE_SAND | -40 | 0.60 | 0.80 | 1.00 | 2.2 | 2.9 | 3.6 | 1.3 | 1.8 | 2.2 |
| Partly_Cloudy | 95 | 5 | 41 | LOOSE_SAND | -30 | 0.75 | 0.90 | 1.10 | 2.7 | 3.2 | 4.0 | 1.7 | 2.0 | 2.5 |
| Partly_Cloudy | 95 | 5 | 41 | LOOSE_SAND | -20 | 0.85 | 1.05 | 1.25 | 3.1 | 3.8 | 4.5 | 1.9 | 2.4 | 2.8 |
| Partly_Cloudy | 95 | 5 | 41 | LOOSE_SAND | -15 | 0.95 | 1.15 | 1.35 | 3.4 | 4.1 | 4.9 | 2.1 | 2.6 | 3.0 |
| Partly_Cloudy | 95 | 5 | 41 | LOOSE_SAND | -10 | 1.05 | 1.20 | 1.45 | 3.8 | 4.3 | 5.2 | 2.4 | 2.7 | 3.2 |
| Partly_Cloudy | 95 | 5 | 41 | LOOSE_SAND | -5 | 1.15 | 1.30 | 1.55 | 4.1 | 4.7 | 5.6 | 2.6 | 2.9 | 3.5 |
| Partly_Cloudy | 95 | 5 | 41 | LOOSE_SAND | 0 | 1.25 | 1.45 | 1.65 | 4.5 | 5.2 | 5.9 | 2.8 | 3.2 | 3.7 |
| Partly_Cloudy | 95 | 5 | 41 | LOOSE_SAND | 5 | 0.80 | 0.95 | 1.20 | 2.9 | 3.4 | 4.3 | 1.8 | 2.1 | 2.7 |
| Partly_Cloudy | 95 | 5 | 41 | LOOSE_SAND | 10 | 0.55 | 0.70 | 0.85 | 2.0 | 2.5 | 3.1 | 1.2 | 1.6 | 1.9 |
| Partly_Cloudy | 95 | 5 | 41 | LOOSE_SAND | 15 | 0.40 | 0.50 | 0.65 | 1.4 | 1.8 | 2.3 | 0.9 | 1.1 | 1.5 |
| Partly_Cloudy | 95 | 5 | 41 | LOOSE_SAND | 20 | 0.30 | 0.40 | 0.55 | 1.1 | 1.4 | 2.0 | 0.7 | 0.9 | 1.2 |
| Partly_Cloudy | 95 | 5 | 41 | LOOSE_SAND | 30 | 0.20 | 0.25 | 0.35 | 0.7 | 0.9 | 1.3 | 0.4 | 0.6 | 0.8 |
| Partly_Cloudy | 95 | 5 | 41 | LOOSE_SAND | 40 | 0.15 | 0.20 | 0.25 | 0.5 | 0.7 | 0.9 | 0.3 | 0.4 | 0.6 |
| Partly_Cloudy | 95 | 5 | 41 | LOOSE_SAND | 50 | 0.10 | 0.15 | 0.20 | 0.4 | 0.5 | 0.7 | 0.2 | 0.3 | 0.4 |

Table G-30. Maximum Sustainable Speed, Partly Cloudy, 95% Humidity, 10°C (50°F)

| Cloud Cover | RH (%) | °C | °F | Terrain Type | Grade (%) | Max Sustainable Speed (meters/second) | | | Max Sustainable Speed (kilometers/hour) | | | Max Sustainable Speed (miles/hour) | | |
|---------------|--------|----|----|--------------|-----------|---------------------------------------|------|------|---|-----|------|------------------------------------|-----|------|
| | | | | | | Risk Level | | | Risk Level | | | Risk Level | | |
| | | | | | | Low | Mod | High | Low | Mod | High | Low | Mod | High |
| Partly_Cloudy | 95 | 10 | 50 | BLACK_TOP | -50 | 0.90 | 1.15 | 1.35 | 3.2 | 4.1 | 4.9 | 2.0 | 2.6 | 3.0 |
| Partly_Cloudy | 95 | 10 | 50 | BLACK_TOP | -40 | 1.00 | 1.25 | 1.50 | 3.6 | 4.5 | 5.4 | 2.2 | 2.8 | 3.4 |
| Partly_Cloudy | 95 | 10 | 50 | BLACK_TOP | -30 | 1.15 | 1.40 | 1.65 | 4.1 | 5.0 | 5.9 | 2.6 | 3.1 | 3.7 |
| Partly_Cloudy | 95 | 10 | 50 | BLACK_TOP | -20 | 1.30 | 1.55 | 1.80 | 4.7 | 5.6 | 6.5 | 2.9 | 3.5 | 4.0 |
| Partly_Cloudy | 95 | 10 | 50 | BLACK_TOP | -15 | 1.40 | 1.65 | 1.90 | 5.0 | 5.9 | 6.8 | 3.1 | 3.7 | 4.3 |
| Partly_Cloudy | 95 | 10 | 50 | BLACK_TOP | -10 | 1.50 | 1.75 | 2.00 | 5.4 | 6.3 | 7.2 | 3.4 | 3.9 | 4.5 |
| Partly_Cloudy | 95 | 10 | 50 | BLACK_TOP | -5 | 1.60 | 1.85 | 2.15 | 5.8 | 6.7 | 7.7 | 3.6 | 4.1 | 4.8 |
| Partly_Cloudy | 95 | 10 | 50 | BLACK_TOP | 0 | 1.70 | 2.00 | 2.25 | 6.1 | 7.2 | 8.1 | 3.8 | 4.5 | 5.0 |
| Partly_Cloudy | 95 | 10 | 50 | BLACK_TOP | 5 | 1.20 | 1.50 | 1.75 | 4.3 | 5.4 | 6.3 | 2.7 | 3.4 | 3.9 |
| Partly_Cloudy | 95 | 10 | 50 | BLACK_TOP | 10 | 0.90 | 1.15 | 1.35 | 3.2 | 4.1 | 4.9 | 2.0 | 2.6 | 3.0 |
| Partly_Cloudy | 95 | 10 | 50 | BLACK_TOP | 15 | 0.70 | 0.90 | 1.10 | 2.5 | 3.2 | 4.0 | 1.6 | 2.0 | 2.5 |
| Partly_Cloudy | 95 | 10 | 50 | BLACK_TOP | 20 | 0.55 | 0.70 | 0.90 | 2.0 | 2.5 | 3.2 | 1.2 | 1.6 | 2.0 |
| Partly_Cloudy | 95 | 10 | 50 | BLACK_TOP | 30 | 0.40 | 0.50 | 0.65 | 1.4 | 1.8 | 2.3 | 0.9 | 1.1 | 1.5 |
| Partly_Cloudy | 95 | 10 | 50 | BLACK_TOP | 40 | 0.30 | 0.40 | 0.50 | 1.1 | 1.4 | 1.8 | 0.7 | 0.9 | 1.1 |
| Partly_Cloudy | 95 | 10 | 50 | BLACK_TOP | 50 | 0.25 | 0.30 | 0.40 | 0.9 | 1.1 | 1.4 | 0.6 | 0.7 | 0.9 |
| Partly_Cloudy | 95 | 10 | 50 | DIRT_ROAD | -50 | 0.85 | 1.05 | 1.25 | 3.1 | 3.8 | 4.5 | 1.9 | 2.4 | 2.8 |
| Partly_Cloudy | 95 | 10 | 50 | DIRT_ROAD | -40 | 0.95 | 1.15 | 1.40 | 3.4 | 4.1 | 5.0 | 2.1 | 2.6 | 3.1 |
| Partly_Cloudy | 95 | 10 | 50 | DIRT_ROAD | -30 | 1.05 | 1.30 | 1.55 | 3.8 | 4.7 | 5.6 | 2.4 | 2.9 | 3.5 |
| Partly_Cloudy | 95 | 10 | 50 | DIRT_ROAD | -20 | 1.25 | 1.50 | 1.70 | 4.5 | 5.4 | 6.1 | 2.8 | 3.4 | 3.8 |
| Partly_Cloudy | 95 | 10 | 50 | DIRT_ROAD | -15 | 1.30 | 1.55 | 1.80 | 4.7 | 5.6 | 6.5 | 2.9 | 3.5 | 4.0 |
| Partly_Cloudy | 95 | 10 | 50 | DIRT_ROAD | -10 | 1.40 | 1.65 | 1.90 | 5.0 | 5.9 | 6.8 | 3.1 | 3.7 | 4.3 |
| Partly_Cloudy | 95 | 10 | 50 | DIRT_ROAD | -5 | 1.50 | 1.80 | 2.00 | 5.4 | 6.5 | 7.2 | 3.4 | 4.0 | 4.5 |
| Partly_Cloudy | 95 | 10 | 50 | DIRT_ROAD | 0 | 1.65 | 1.90 | 2.15 | 5.9 | 6.8 | 7.7 | 3.7 | 4.3 | 4.8 |
| Partly_Cloudy | 95 | 10 | 50 | DIRT_ROAD | 5 | 1.15 | 1.40 | 1.65 | 4.1 | 5.0 | 5.9 | 2.6 | 3.1 | 3.7 |
| Partly_Cloudy | 95 | 10 | 50 | DIRT_ROAD | 10 | 0.85 | 1.05 | 1.25 | 3.1 | 3.8 | 4.5 | 1.9 | 2.4 | 2.8 |
| Partly_Cloudy | 95 | 10 | 50 | DIRT_ROAD | 15 | 0.65 | 0.80 | 1.00 | 2.3 | 2.9 | 3.6 | 1.5 | 1.8 | 2.2 |
| Partly_Cloudy | 95 | 10 | 50 | DIRT_ROAD | 20 | 0.50 | 0.65 | 0.80 | 1.8 | 2.3 | 2.9 | 1.1 | 1.5 | 1.8 |
| Partly_Cloudy | 95 | 10 | 50 | DIRT_ROAD | 30 | 0.35 | 0.45 | 0.60 | 1.3 | 1.6 | 2.2 | 0.8 | 1.0 | 1.3 |
| Partly_Cloudy | 95 | 10 | 50 | DIRT_ROAD | 40 | 0.25 | 0.35 | 0.45 | 0.9 | 1.3 | 1.6 | 0.6 | 0.8 | 1.0 |
| Partly_Cloudy | 95 | 10 | 50 | DIRT_ROAD | 50 | 0.20 | 0.30 | 0.35 | 0.7 | 1.1 | 1.3 | 0.4 | 0.7 | 0.8 |
| Partly_Cloudy | 95 | 10 | 50 | LOOSE_SAND | -50 | 0.50 | 0.60 | 0.75 | 1.8 | 2.2 | 2.7 | 1.1 | 1.3 | 1.7 |
| Partly_Cloudy | 95 | 10 | 50 | LOOSE_SAND | -40 | 0.55 | 0.70 | 0.85 | 2.0 | 2.5 | 3.1 | 1.2 | 1.6 | 1.9 |
| Partly_Cloudy | 95 | 10 | 50 | LOOSE_SAND | -30 | 0.65 | 0.85 | 1.00 | 2.3 | 3.1 | 3.6 | 1.5 | 1.9 | 2.2 |
| Partly_Cloudy | 95 | 10 | 50 | LOOSE_SAND | -20 | 0.80 | 0.95 | 1.15 | 2.9 | 3.4 | 4.1 | 1.8 | 2.1 | 2.6 |
| Partly_Cloudy | 95 | 10 | 50 | LOOSE_SAND | -15 | 0.85 | 1.05 | 1.25 | 3.1 | 3.8 | 4.5 | 1.9 | 2.4 | 2.8 |
| Partly_Cloudy | 95 | 10 | 50 | LOOSE_SAND | -10 | 0.95 | 1.15 | 1.30 | 3.4 | 4.1 | 4.7 | 2.1 | 2.6 | 2.9 |
| Partly_Cloudy | 95 | 10 | 50 | LOOSE_SAND | -5 | 1.05 | 1.25 | 1.45 | 3.8 | 4.5 | 5.2 | 2.4 | 2.8 | 3.2 |
| Partly_Cloudy | 95 | 10 | 50 | LOOSE_SAND | 0 | 1.15 | 1.35 | 1.55 | 4.1 | 4.9 | 5.6 | 2.6 | 3.0 | 3.5 |
| Partly_Cloudy | 95 | 10 | 50 | LOOSE_SAND | 5 | 0.70 | 0.90 | 1.05 | 2.5 | 3.2 | 3.8 | 1.6 | 2.0 | 2.4 |
| Partly_Cloudy | 95 | 10 | 50 | LOOSE_SAND | 10 | 0.50 | 0.60 | 0.75 | 1.8 | 2.2 | 2.7 | 1.1 | 1.3 | 1.7 |
| Partly_Cloudy | 95 | 10 | 50 | LOOSE_SAND | 15 | 0.35 | 0.45 | 0.55 | 1.3 | 1.6 | 2.0 | 0.8 | 1.0 | 1.2 |
| Partly_Cloudy | 95 | 10 | 50 | LOOSE_SAND | 20 | 0.25 | 0.35 | 0.45 | 0.9 | 1.3 | 1.6 | 0.6 | 0.8 | 1.0 |
| Partly_Cloudy | 95 | 10 | 50 | LOOSE_SAND | 30 | 0.15 | 0.25 | 0.30 | 0.5 | 0.9 | 1.1 | 0.3 | 0.6 | 0.7 |
| Partly_Cloudy | 95 | 10 | 50 | LOOSE_SAND | 40 | 0.15 | 0.20 | 0.25 | 0.5 | 0.7 | 0.9 | 0.3 | 0.4 | 0.6 |
| Partly_Cloudy | 95 | 10 | 50 | LOOSE_SAND | 50 | 0.10 | 0.15 | 0.20 | 0.4 | 0.5 | 0.7 | 0.2 | 0.3 | 0.4 |

Table G-31. Maximum Sustainable Speed, Partly Cloudy, 95% Humidity, 15°C (59°F)

| Cloud Cover | RH (%) | °C | °F | Terrain Type | Grade (%) | Max Sustainable Speed (meters/second) | | | Max Sustainable Speed (kilometers/hour) | | | Max Sustainable Speed (miles/hour) | | |
|---------------|--------|----|----|--------------|-----------|---------------------------------------|------|------|---|-----|------|------------------------------------|-----|------|
| | | | | | | Risk Level | | | Risk Level | | | Risk Level | | |
| | | | | | | Low | Mod | High | Low | Mod | High | Low | Mod | High |
| Partly_Cloudy | 95 | 15 | 59 | BLACK_TOP | -50 | 0.80 | 1.00 | 1.15 | 2.9 | 3.6 | 4.1 | 1.8 | 2.2 | 2.6 |
| Partly_Cloudy | 95 | 15 | 59 | BLACK_TOP | -40 | 0.90 | 1.15 | 1.30 | 3.2 | 4.1 | 4.7 | 2.0 | 2.6 | 2.9 |
| Partly_Cloudy | 95 | 15 | 59 | BLACK_TOP | -30 | 1.05 | 1.30 | 1.45 | 3.8 | 4.7 | 5.2 | 2.4 | 2.9 | 3.2 |
| Partly_Cloudy | 95 | 15 | 59 | BLACK_TOP | -20 | 1.20 | 1.45 | 1.60 | 4.3 | 5.2 | 5.8 | 2.7 | 3.2 | 3.6 |
| Partly_Cloudy | 95 | 15 | 59 | BLACK_TOP | -15 | 1.30 | 1.55 | 1.70 | 4.7 | 5.6 | 6.1 | 2.9 | 3.5 | 3.8 |
| Partly_Cloudy | 95 | 15 | 59 | BLACK_TOP | -10 | 1.40 | 1.65 | 1.80 | 5.0 | 5.9 | 6.5 | 3.1 | 3.7 | 4.0 |
| Partly_Cloudy | 95 | 15 | 59 | BLACK_TOP | -5 | 1.50 | 1.75 | 1.90 | 5.4 | 6.3 | 6.8 | 3.4 | 3.9 | 4.3 |
| Partly_Cloudy | 95 | 15 | 59 | BLACK_TOP | 0 | 1.60 | 1.85 | 2.00 | 5.8 | 6.7 | 7.2 | 3.6 | 4.1 | 4.5 |
| Partly_Cloudy | 95 | 15 | 59 | BLACK_TOP | 5 | 1.10 | 1.35 | 1.50 | 4.0 | 4.9 | 5.4 | 2.5 | 3.0 | 3.4 |
| Partly_Cloudy | 95 | 15 | 59 | BLACK_TOP | 10 | 0.80 | 1.00 | 1.15 | 2.9 | 3.6 | 4.1 | 1.8 | 2.2 | 2.6 |
| Partly_Cloudy | 95 | 15 | 59 | BLACK_TOP | 15 | 0.60 | 0.80 | 0.90 | 2.2 | 2.9 | 3.2 | 1.3 | 1.8 | 2.0 |
| Partly_Cloudy | 95 | 15 | 59 | BLACK_TOP | 20 | 0.50 | 0.65 | 0.75 | 1.8 | 2.3 | 2.7 | 1.1 | 1.5 | 1.7 |
| Partly_Cloudy | 95 | 15 | 59 | BLACK_TOP | 30 | 0.35 | 0.45 | 0.50 | 1.3 | 1.6 | 1.8 | 0.8 | 1.0 | 1.1 |
| Partly_Cloudy | 95 | 15 | 59 | BLACK_TOP | 40 | 0.25 | 0.35 | 0.40 | 0.9 | 1.3 | 1.4 | 0.6 | 0.8 | 0.9 |
| Partly_Cloudy | 95 | 15 | 59 | BLACK_TOP | 50 | 0.20 | 0.25 | 0.30 | 0.7 | 0.9 | 1.1 | 0.4 | 0.6 | 0.7 |
| Partly_Cloudy | 95 | 15 | 59 | DIRT_ROAD | -50 | 0.75 | 0.95 | 1.05 | 2.7 | 3.4 | 3.8 | 1.7 | 2.1 | 2.4 |
| Partly_Cloudy | 95 | 15 | 59 | DIRT_ROAD | -40 | 0.85 | 1.05 | 1.20 | 3.1 | 3.8 | 4.3 | 1.9 | 2.4 | 2.7 |
| Partly_Cloudy | 95 | 15 | 59 | DIRT_ROAD | -30 | 0.95 | 1.20 | 1.35 | 3.4 | 4.3 | 4.9 | 2.1 | 2.7 | 3.0 |
| Partly_Cloudy | 95 | 15 | 59 | DIRT_ROAD | -20 | 1.10 | 1.35 | 1.50 | 4.0 | 4.9 | 5.4 | 2.5 | 3.0 | 3.4 |
| Partly_Cloudy | 95 | 15 | 59 | DIRT_ROAD | -15 | 1.20 | 1.45 | 1.60 | 4.3 | 5.2 | 5.8 | 2.7 | 3.2 | 3.6 |
| Partly_Cloudy | 95 | 15 | 59 | DIRT_ROAD | -10 | 1.30 | 1.55 | 1.70 | 4.7 | 5.6 | 6.1 | 2.9 | 3.5 | 3.8 |
| Partly_Cloudy | 95 | 15 | 59 | DIRT_ROAD | -5 | 1.40 | 1.65 | 1.80 | 5.0 | 5.9 | 6.5 | 3.1 | 3.7 | 4.0 |
| Partly_Cloudy | 95 | 15 | 59 | DIRT_ROAD | 0 | 1.50 | 1.75 | 1.90 | 5.4 | 6.3 | 6.8 | 3.4 | 3.9 | 4.3 |
| Partly_Cloudy | 95 | 15 | 59 | DIRT_ROAD | 5 | 1.05 | 1.30 | 1.40 | 3.8 | 4.7 | 5.0 | 2.4 | 2.9 | 3.1 |
| Partly_Cloudy | 95 | 15 | 59 | DIRT_ROAD | 10 | 0.75 | 0.95 | 1.05 | 2.7 | 3.4 | 3.8 | 1.7 | 2.1 | 2.4 |
| Partly_Cloudy | 95 | 15 | 59 | DIRT_ROAD | 15 | 0.55 | 0.75 | 0.85 | 2.0 | 2.7 | 3.1 | 1.2 | 1.7 | 1.9 |
| Partly_Cloudy | 95 | 15 | 59 | DIRT_ROAD | 20 | 0.45 | 0.60 | 0.70 | 1.6 | 2.2 | 2.5 | 1.0 | 1.3 | 1.6 |
| Partly_Cloudy | 95 | 15 | 59 | DIRT_ROAD | 30 | 0.30 | 0.40 | 0.50 | 1.1 | 1.4 | 1.8 | 0.7 | 0.9 | 1.1 |
| Partly_Cloudy | 95 | 15 | 59 | DIRT_ROAD | 40 | 0.20 | 0.30 | 0.35 | 0.7 | 1.1 | 1.3 | 0.4 | 0.7 | 0.8 |
| Partly_Cloudy | 95 | 15 | 59 | DIRT_ROAD | 50 | 0.20 | 0.25 | 0.30 | 0.7 | 0.9 | 1.1 | 0.4 | 0.6 | 0.7 |
| Partly_Cloudy | 95 | 15 | 59 | LOOSE_SAND | -50 | 0.40 | 0.55 | 0.65 | 1.4 | 2.0 | 2.3 | 0.9 | 1.2 | 1.5 |
| Partly_Cloudy | 95 | 15 | 59 | LOOSE_SAND | -40 | 0.50 | 0.65 | 0.75 | 1.8 | 2.3 | 2.7 | 1.1 | 1.5 | 1.7 |
| Partly_Cloudy | 95 | 15 | 59 | LOOSE_SAND | -30 | 0.60 | 0.75 | 0.85 | 2.2 | 2.7 | 3.1 | 1.3 | 1.7 | 1.9 |
| Partly_Cloudy | 95 | 15 | 59 | LOOSE_SAND | -20 | 0.70 | 0.90 | 1.00 | 2.5 | 3.2 | 3.6 | 1.6 | 2.0 | 2.2 |
| Partly_Cloudy | 95 | 15 | 59 | LOOSE_SAND | -15 | 0.80 | 0.95 | 1.05 | 2.9 | 3.4 | 3.8 | 1.8 | 2.1 | 2.4 |
| Partly_Cloudy | 95 | 15 | 59 | LOOSE_SAND | -10 | 0.90 | 1.05 | 1.15 | 3.2 | 3.8 | 4.1 | 2.0 | 2.4 | 2.6 |
| Partly_Cloudy | 95 | 15 | 59 | LOOSE_SAND | -5 | 1.00 | 1.15 | 1.25 | 3.6 | 4.1 | 4.5 | 2.2 | 2.6 | 2.8 |
| Partly_Cloudy | 95 | 15 | 59 | LOOSE_SAND | 0 | 1.10 | 1.25 | 1.40 | 4.0 | 4.5 | 5.0 | 2.5 | 2.8 | 3.1 |
| Partly_Cloudy | 95 | 15 | 59 | LOOSE_SAND | 5 | 0.65 | 0.80 | 0.90 | 2.3 | 2.9 | 3.2 | 1.5 | 1.8 | 2.0 |
| Partly_Cloudy | 95 | 15 | 59 | LOOSE_SAND | 10 | 0.40 | 0.55 | 0.65 | 1.4 | 2.0 | 2.3 | 0.9 | 1.2 | 1.5 |
| Partly_Cloudy | 95 | 15 | 59 | LOOSE_SAND | 15 | 0.30 | 0.40 | 0.45 | 1.1 | 1.4 | 1.6 | 0.7 | 0.9 | 1.0 |
| Partly_Cloudy | 95 | 15 | 59 | LOOSE_SAND | 20 | 0.25 | 0.30 | 0.35 | 0.9 | 1.1 | 1.3 | 0.6 | 0.7 | 0.8 |
| Partly_Cloudy | 95 | 15 | 59 | LOOSE_SAND | 30 | 0.15 | 0.20 | 0.25 | 0.5 | 0.7 | 0.9 | 0.3 | 0.4 | 0.6 |
| Partly_Cloudy | 95 | 15 | 59 | LOOSE_SAND | 40 | 0.10 | 0.15 | 0.20 | 0.4 | 0.5 | 0.7 | 0.2 | 0.3 | 0.4 |
| Partly_Cloudy | 95 | 15 | 59 | LOOSE_SAND | 50 | 0.10 | 0.10 | 0.15 | 0.4 | 0.4 | 0.5 | 0.2 | 0.2 | 0.3 |

Table G-32. Maximum Sustainable Speed, Partly Cloudy, 95% Humidity, 20°C (68°F)

| Cloud Cover | RH (%) | °C | °F | Terrain Type | Grade (%) | Max Sustainable Speed (meters/second) | | | Max Sustainable Speed (kilometers/hour) | | | Max Sustainable Speed (miles/hour) | | |
|---------------|--------|----|----|--------------|-----------|---------------------------------------|------|------|---|-----|------|------------------------------------|-----|------|
| | | | | | | Risk Level | | | Risk Level | | | Risk Level | | |
| | | | | | | Low | Mod | High | Low | Mod | High | Low | Mod | High |
| Partly_Cloudy | 95 | 20 | 68 | BLACK_TOP | -50 | 0.70 | 0.80 | 0.90 | 2.5 | 2.9 | 3.2 | 1.6 | 1.8 | 2.0 |
| Partly_Cloudy | 95 | 20 | 68 | BLACK_TOP | -40 | 0.80 | 0.90 | 1.05 | 2.9 | 3.2 | 3.8 | 1.8 | 2.0 | 2.4 |
| Partly_Cloudy | 95 | 20 | 68 | BLACK_TOP | -30 | 0.90 | 1.05 | 1.15 | 3.2 | 3.8 | 4.1 | 2.0 | 2.4 | 2.6 |
| Partly_Cloudy | 95 | 20 | 68 | BLACK_TOP | -20 | 1.05 | 1.20 | 1.35 | 3.8 | 4.3 | 4.9 | 2.4 | 2.7 | 3.0 |
| Partly_Cloudy | 95 | 20 | 68 | BLACK_TOP | -15 | 1.15 | 1.25 | 1.40 | 4.1 | 4.5 | 5.0 | 2.6 | 2.8 | 3.1 |
| Partly_Cloudy | 95 | 20 | 68 | BLACK_TOP | -10 | 1.25 | 1.35 | 1.50 | 4.5 | 4.9 | 5.4 | 2.8 | 3.0 | 3.4 |
| Partly_Cloudy | 95 | 20 | 68 | BLACK_TOP | -5 | 1.35 | 1.45 | 1.65 | 4.9 | 5.2 | 5.9 | 3.0 | 3.2 | 3.7 |
| Partly_Cloudy | 95 | 20 | 68 | BLACK_TOP | 0 | 1.45 | 1.60 | 1.75 | 5.2 | 5.8 | 6.3 | 3.2 | 3.6 | 3.9 |
| Partly_Cloudy | 95 | 20 | 68 | BLACK_TOP | 5 | 1.00 | 1.10 | 1.25 | 3.6 | 4.0 | 4.5 | 2.2 | 2.5 | 2.8 |
| Partly_Cloudy | 95 | 20 | 68 | BLACK_TOP | 10 | 0.70 | 0.80 | 0.90 | 2.5 | 2.9 | 3.2 | 1.6 | 1.8 | 2.0 |
| Partly_Cloudy | 95 | 20 | 68 | BLACK_TOP | 15 | 0.50 | 0.60 | 0.70 | 1.8 | 2.2 | 2.5 | 1.1 | 1.3 | 1.6 |
| Partly_Cloudy | 95 | 20 | 68 | BLACK_TOP | 20 | 0.40 | 0.50 | 0.55 | 1.4 | 1.8 | 2.0 | 0.9 | 1.1 | 1.2 |
| Partly_Cloudy | 95 | 20 | 68 | BLACK_TOP | 30 | 0.30 | 0.35 | 0.40 | 1.1 | 1.3 | 1.4 | 0.7 | 0.8 | 0.9 |
| Partly_Cloudy | 95 | 20 | 68 | BLACK_TOP | 40 | 0.20 | 0.25 | 0.30 | 0.7 | 0.9 | 1.1 | 0.4 | 0.6 | 0.7 |
| Partly_Cloudy | 95 | 20 | 68 | BLACK_TOP | 50 | 0.15 | 0.20 | 0.25 | 0.5 | 0.7 | 0.9 | 0.3 | 0.4 | 0.6 |
| Partly_Cloudy | 95 | 20 | 68 | DIRT_ROAD | -50 | 0.65 | 0.75 | 0.85 | 2.3 | 2.7 | 3.1 | 1.5 | 1.7 | 1.9 |
| Partly_Cloudy | 95 | 20 | 68 | DIRT_ROAD | -40 | 0.75 | 0.85 | 0.95 | 2.7 | 3.1 | 3.4 | 1.7 | 1.9 | 2.1 |
| Partly_Cloudy | 95 | 20 | 68 | DIRT_ROAD | -30 | 0.85 | 0.95 | 1.10 | 3.1 | 3.4 | 4.0 | 1.9 | 2.1 | 2.5 |
| Partly_Cloudy | 95 | 20 | 68 | DIRT_ROAD | -20 | 1.00 | 1.10 | 1.25 | 3.6 | 4.0 | 4.5 | 2.2 | 2.5 | 2.8 |
| Partly_Cloudy | 95 | 20 | 68 | DIRT_ROAD | -15 | 1.10 | 1.20 | 1.35 | 4.0 | 4.3 | 4.9 | 2.5 | 2.7 | 3.0 |
| Partly_Cloudy | 95 | 20 | 68 | DIRT_ROAD | -10 | 1.15 | 1.30 | 1.45 | 4.1 | 4.7 | 5.2 | 2.6 | 2.9 | 3.2 |
| Partly_Cloudy | 95 | 20 | 68 | DIRT_ROAD | -5 | 1.30 | 1.40 | 1.55 | 4.7 | 5.0 | 5.6 | 2.9 | 3.1 | 3.5 |
| Partly_Cloudy | 95 | 20 | 68 | DIRT_ROAD | 0 | 1.40 | 1.50 | 1.65 | 5.0 | 5.4 | 5.9 | 3.1 | 3.4 | 3.7 |
| Partly_Cloudy | 95 | 20 | 68 | DIRT_ROAD | 5 | 0.90 | 1.05 | 1.15 | 3.2 | 3.8 | 4.1 | 2.0 | 2.4 | 2.6 |
| Partly_Cloudy | 95 | 20 | 68 | DIRT_ROAD | 10 | 0.65 | 0.75 | 0.85 | 2.3 | 2.7 | 3.1 | 1.5 | 1.7 | 1.9 |
| Partly_Cloudy | 95 | 20 | 68 | DIRT_ROAD | 15 | 0.45 | 0.55 | 0.65 | 1.6 | 2.0 | 2.3 | 1.0 | 1.2 | 1.5 |
| Partly_Cloudy | 95 | 20 | 68 | DIRT_ROAD | 20 | 0.35 | 0.45 | 0.50 | 1.3 | 1.6 | 1.8 | 0.8 | 1.0 | 1.1 |
| Partly_Cloudy | 95 | 20 | 68 | DIRT_ROAD | 30 | 0.25 | 0.30 | 0.35 | 0.9 | 1.1 | 1.3 | 0.6 | 0.7 | 0.8 |
| Partly_Cloudy | 95 | 20 | 68 | DIRT_ROAD | 40 | 0.20 | 0.20 | 0.25 | 0.7 | 0.7 | 0.9 | 0.4 | 0.4 | 0.6 |
| Partly_Cloudy | 95 | 20 | 68 | DIRT_ROAD | 50 | 0.15 | 0.15 | 0.20 | 0.5 | 0.5 | 0.7 | 0.3 | 0.3 | 0.4 |
| Partly_Cloudy | 95 | 20 | 68 | LOOSE_SAND | -50 | 0.35 | 0.40 | 0.50 | 1.3 | 1.4 | 1.8 | 0.8 | 0.9 | 1.1 |
| Partly_Cloudy | 95 | 20 | 68 | LOOSE_SAND | -40 | 0.45 | 0.50 | 0.60 | 1.6 | 1.8 | 2.2 | 1.0 | 1.1 | 1.3 |
| Partly_Cloudy | 95 | 20 | 68 | LOOSE_SAND | -30 | 0.50 | 0.60 | 0.70 | 1.8 | 2.2 | 2.5 | 1.1 | 1.3 | 1.6 |
| Partly_Cloudy | 95 | 20 | 68 | LOOSE_SAND | -20 | 0.65 | 0.70 | 0.80 | 2.3 | 2.5 | 2.9 | 1.5 | 1.6 | 1.8 |
| Partly_Cloudy | 95 | 20 | 68 | LOOSE_SAND | -15 | 0.70 | 0.80 | 0.90 | 2.5 | 2.9 | 3.2 | 1.6 | 1.8 | 2.0 |
| Partly_Cloudy | 95 | 20 | 68 | LOOSE_SAND | -10 | 0.80 | 0.90 | 1.00 | 2.9 | 3.2 | 3.6 | 1.8 | 2.0 | 2.2 |
| Partly_Cloudy | 95 | 20 | 68 | LOOSE_SAND | -5 | 0.90 | 1.00 | 1.10 | 3.2 | 3.6 | 4.0 | 2.0 | 2.2 | 2.5 |
| Partly_Cloudy | 95 | 20 | 68 | LOOSE_SAND | 0 | 1.00 | 1.10 | 1.20 | 3.6 | 4.0 | 4.3 | 2.2 | 2.5 | 2.7 |
| Partly_Cloudy | 95 | 20 | 68 | LOOSE_SAND | 5 | 0.55 | 0.65 | 0.75 | 2.0 | 2.3 | 2.7 | 1.2 | 1.5 | 1.7 |
| Partly_Cloudy | 95 | 20 | 68 | LOOSE_SAND | 10 | 0.35 | 0.40 | 0.50 | 1.3 | 1.4 | 1.8 | 0.8 | 0.9 | 1.1 |
| Partly_Cloudy | 95 | 20 | 68 | LOOSE_SAND | 15 | 0.25 | 0.30 | 0.35 | 0.9 | 1.1 | 1.3 | 0.6 | 0.7 | 0.8 |
| Partly_Cloudy | 95 | 20 | 68 | LOOSE_SAND | 20 | 0.20 | 0.25 | 0.25 | 0.7 | 0.9 | 0.9 | 0.4 | 0.6 | 0.6 |
| Partly_Cloudy | 95 | 20 | 68 | LOOSE_SAND | 30 | 0.10 | 0.15 | 0.20 | 0.4 | 0.5 | 0.7 | 0.2 | 0.3 | 0.4 |
| Partly_Cloudy | 95 | 20 | 68 | LOOSE_SAND | 40 | 0.10 | 0.10 | 0.15 | 0.4 | 0.4 | 0.5 | 0.2 | 0.2 | 0.3 |
| Partly_Cloudy | 95 | 20 | 68 | LOOSE_SAND | 50 | 0.05 | 0.10 | 0.10 | 0.2 | 0.4 | 0.4 | 0.1 | 0.2 | 0.2 |

Table G-33. Maximum Sustainable Speed, Partly Cloudy, 95% Humidity, 25°C (77°F)

| Cloud Cover | RH (%) | °C | °F | Terrain Type | Grade (%) | Max Sustainable Speed (meters/second) | | | Max Sustainable Speed (kilometers/hour) | | | Max Sustainable Speed (miles/hour) | | |
|---------------|--------|----|----|--------------|-----------|---------------------------------------|------|------|---|-----|------|------------------------------------|-----|------|
| | | | | | | Risk Level | | | Risk Level | | | Risk Level | | |
| | | | | | | Low | Mod | High | Low | Mod | High | Low | Mod | High |
| Partly_Cloudy | 95 | 25 | 77 | BLACK_TOP | -50 | 0.45 | 0.50 | 0.65 | 1.6 | 1.8 | 2.3 | 1.0 | 1.1 | 1.5 |
| Partly_Cloudy | 95 | 25 | 77 | BLACK_TOP | -40 | 0.55 | 0.60 | 0.75 | 2.0 | 2.2 | 2.7 | 1.2 | 1.3 | 1.7 |
| Partly_Cloudy | 95 | 25 | 77 | BLACK_TOP | -30 | 0.65 | 0.70 | 0.85 | 2.3 | 2.5 | 3.1 | 1.5 | 1.6 | 1.9 |
| Partly_Cloudy | 95 | 25 | 77 | BLACK_TOP | -20 | 0.75 | 0.85 | 1.00 | 2.7 | 3.1 | 3.6 | 1.7 | 1.9 | 2.2 |
| Partly_Cloudy | 95 | 25 | 77 | BLACK_TOP | -15 | 0.85 | 0.90 | 1.10 | 3.1 | 3.2 | 4.0 | 1.9 | 2.0 | 2.5 |
| Partly_Cloudy | 95 | 25 | 77 | BLACK_TOP | -10 | 0.95 | 1.00 | 1.15 | 3.4 | 3.6 | 4.1 | 2.1 | 2.2 | 2.6 |
| Partly_Cloudy | 95 | 25 | 77 | BLACK_TOP | -5 | 1.05 | 1.10 | 1.25 | 3.8 | 4.0 | 4.5 | 2.4 | 2.5 | 2.8 |
| Partly_Cloudy | 95 | 25 | 77 | BLACK_TOP | 0 | 1.15 | 1.20 | 1.40 | 4.1 | 4.3 | 5.0 | 2.6 | 2.7 | 3.1 |
| Partly_Cloudy | 95 | 25 | 77 | BLACK_TOP | 5 | 0.70 | 0.75 | 0.90 | 2.5 | 2.7 | 3.2 | 1.6 | 1.7 | 2.0 |
| Partly_Cloudy | 95 | 25 | 77 | BLACK_TOP | 10 | 0.45 | 0.50 | 0.65 | 1.6 | 1.8 | 2.3 | 1.0 | 1.1 | 1.5 |
| Partly_Cloudy | 95 | 25 | 77 | BLACK_TOP | 15 | 0.35 | 0.40 | 0.45 | 1.3 | 1.4 | 1.6 | 0.8 | 0.9 | 1.0 |
| Partly_Cloudy | 95 | 25 | 77 | BLACK_TOP | 20 | 0.25 | 0.30 | 0.35 | 0.9 | 1.1 | 1.3 | 0.6 | 0.7 | 0.8 |
| Partly_Cloudy | 95 | 25 | 77 | BLACK_TOP | 30 | 0.15 | 0.20 | 0.25 | 0.5 | 0.7 | 0.9 | 0.3 | 0.4 | 0.6 |
| Partly_Cloudy | 95 | 25 | 77 | BLACK_TOP | 40 | 0.10 | 0.15 | 0.20 | 0.4 | 0.5 | 0.7 | 0.2 | 0.3 | 0.4 |
| Partly_Cloudy | 95 | 25 | 77 | BLACK_TOP | 50 | 0.10 | 0.10 | 0.15 | 0.4 | 0.4 | 0.5 | 0.2 | 0.2 | 0.3 |
| Partly_Cloudy | 95 | 25 | 77 | DIRT_ROAD | -50 | 0.40 | 0.50 | 0.60 | 1.4 | 1.8 | 2.2 | 0.9 | 1.1 | 1.3 |
| Partly_Cloudy | 95 | 25 | 77 | DIRT_ROAD | -40 | 0.50 | 0.55 | 0.70 | 1.8 | 2.0 | 2.5 | 1.1 | 1.2 | 1.6 |
| Partly_Cloudy | 95 | 25 | 77 | DIRT_ROAD | -30 | 0.60 | 0.65 | 0.80 | 2.2 | 2.3 | 2.9 | 1.3 | 1.5 | 1.8 |
| Partly_Cloudy | 95 | 25 | 77 | DIRT_ROAD | -20 | 0.70 | 0.80 | 0.95 | 2.5 | 2.9 | 3.4 | 1.6 | 1.8 | 2.1 |
| Partly_Cloudy | 95 | 25 | 77 | DIRT_ROAD | -15 | 0.80 | 0.85 | 1.00 | 2.9 | 3.1 | 3.6 | 1.8 | 1.9 | 2.2 |
| Partly_Cloudy | 95 | 25 | 77 | DIRT_ROAD | -10 | 0.90 | 0.95 | 1.10 | 3.2 | 3.4 | 4.0 | 2.0 | 2.1 | 2.5 |
| Partly_Cloudy | 95 | 25 | 77 | DIRT_ROAD | -5 | 1.00 | 1.05 | 1.20 | 3.6 | 3.8 | 4.3 | 2.2 | 2.4 | 2.7 |
| Partly_Cloudy | 95 | 25 | 77 | DIRT_ROAD | 0 | 1.10 | 1.15 | 1.30 | 4.0 | 4.1 | 4.7 | 2.5 | 2.6 | 2.9 |
| Partly_Cloudy | 95 | 25 | 77 | DIRT_ROAD | 5 | 0.65 | 0.70 | 0.85 | 2.3 | 2.5 | 3.1 | 1.5 | 1.6 | 1.9 |
| Partly_Cloudy | 95 | 25 | 77 | DIRT_ROAD | 10 | 0.40 | 0.50 | 0.60 | 1.4 | 1.8 | 2.2 | 0.9 | 1.1 | 1.3 |
| Partly_Cloudy | 95 | 25 | 77 | DIRT_ROAD | 15 | 0.30 | 0.35 | 0.45 | 1.1 | 1.3 | 1.6 | 0.7 | 0.8 | 1.0 |
| Partly_Cloudy | 95 | 25 | 77 | DIRT_ROAD | 20 | 0.25 | 0.25 | 0.35 | 0.9 | 0.9 | 1.3 | 0.6 | 0.6 | 0.8 |
| Partly_Cloudy | 95 | 25 | 77 | DIRT_ROAD | 30 | 0.15 | 0.15 | 0.20 | 0.5 | 0.5 | 0.7 | 0.3 | 0.3 | 0.4 |
| Partly_Cloudy | 95 | 25 | 77 | DIRT_ROAD | 40 | 0.10 | 0.10 | 0.15 | 0.4 | 0.4 | 0.5 | 0.2 | 0.2 | 0.3 |
| Partly_Cloudy | 95 | 25 | 77 | DIRT_ROAD | 50 | 0.10 | 0.10 | 0.15 | 0.4 | 0.4 | 0.5 | 0.2 | 0.2 | 0.3 |
| Partly_Cloudy | 95 | 25 | 77 | LOOSE_SAND | -50 | 0.25 | 0.25 | 0.35 | 0.9 | 0.9 | 1.3 | 0.6 | 0.6 | 0.8 |
| Partly_Cloudy | 95 | 25 | 77 | LOOSE_SAND | -40 | 0.30 | 0.30 | 0.40 | 1.1 | 1.1 | 1.4 | 0.7 | 0.7 | 0.9 |
| Partly_Cloudy | 95 | 25 | 77 | LOOSE_SAND | -30 | 0.35 | 0.40 | 0.45 | 1.3 | 1.4 | 1.6 | 0.8 | 0.9 | 1.0 |
| Partly_Cloudy | 95 | 25 | 77 | LOOSE_SAND | -20 | 0.45 | 0.50 | 0.60 | 1.6 | 1.8 | 2.2 | 1.0 | 1.1 | 1.3 |
| Partly_Cloudy | 95 | 25 | 77 | LOOSE_SAND | -15 | 0.50 | 0.55 | 0.65 | 1.8 | 2.0 | 2.3 | 1.1 | 1.2 | 1.5 |
| Partly_Cloudy | 95 | 25 | 77 | LOOSE_SAND | -10 | 0.60 | 0.65 | 0.75 | 2.2 | 2.3 | 2.7 | 1.3 | 1.5 | 1.7 |
| Partly_Cloudy | 95 | 25 | 77 | LOOSE_SAND | -5 | 0.70 | 0.75 | 0.85 | 2.5 | 2.7 | 3.1 | 1.6 | 1.7 | 1.9 |
| Partly_Cloudy | 95 | 25 | 77 | LOOSE_SAND | 0 | 0.80 | 0.85 | 0.95 | 2.9 | 3.1 | 3.4 | 1.8 | 1.9 | 2.1 |
| Partly_Cloudy | 95 | 25 | 77 | LOOSE_SAND | 5 | 0.40 | 0.45 | 0.55 | 1.4 | 1.6 | 2.0 | 0.9 | 1.0 | 1.2 |
| Partly_Cloudy | 95 | 25 | 77 | LOOSE_SAND | 10 | 0.25 | 0.25 | 0.35 | 0.9 | 0.9 | 1.3 | 0.6 | 0.6 | 0.8 |
| Partly_Cloudy | 95 | 25 | 77 | LOOSE_SAND | 15 | 0.15 | 0.20 | 0.25 | 0.5 | 0.7 | 0.9 | 0.3 | 0.4 | 0.6 |
| Partly_Cloudy | 95 | 25 | 77 | LOOSE_SAND | 20 | 0.10 | 0.15 | 0.15 | 0.4 | 0.5 | 0.5 | 0.2 | 0.3 | 0.3 |
| Partly_Cloudy | 95 | 25 | 77 | LOOSE_SAND | 30 | 0.05 | 0.10 | 0.10 | 0.2 | 0.4 | 0.4 | 0.1 | 0.2 | 0.2 |
| Partly_Cloudy | 95 | 25 | 77 | LOOSE_SAND | 40 | 0.05 | 0.05 | 0.10 | 0.2 | 0.2 | 0.4 | 0.1 | 0.1 | 0.2 |
| Partly_Cloudy | 95 | 25 | 77 | LOOSE_SAND | 50 | 0.05 | 0.05 | 0.05 | 0.2 | 0.2 | 0.2 | 0.1 | 0.1 | 0.1 |

Table G-34. Maximum Sustainable Speed, Partly Cloudy, 95% Humidity, 30°C (86°F)

| Cloud Cover | RH (%) | °C | °F | Terrain Type | Grade (%) | Max Sustainable Speed (meters/second) | | | Max Sustainable Speed (kilometers/hour) | | | Max Sustainable Speed (miles/hour) | | |
|---------------|--------|----|----|--------------|-----------|---------------------------------------|------|------|---|-----|------|------------------------------------|-----|------|
| | | | | | | Risk Level | | | Risk Level | | | Risk Level | | |
| | | | | | | Low | Mod | High | Low | Mod | High | Low | Mod | High |
| Partly_Cloudy | 95 | 30 | 86 | BLACK_TOP | -50 | 0.10 | 0.15 | 0.25 | 0.4 | 0.5 | 0.9 | 0.2 | 0.3 | 0.6 |
| Partly_Cloudy | 95 | 30 | 86 | BLACK_TOP | -40 | 0.15 | 0.20 | 0.35 | 0.5 | 0.7 | 1.3 | 0.3 | 0.4 | 0.8 |
| Partly_Cloudy | 95 | 30 | 86 | BLACK_TOP | -30 | 0.15 | 0.25 | 0.40 | 0.5 | 0.9 | 1.4 | 0.3 | 0.6 | 0.9 |
| Partly_Cloudy | 95 | 30 | 86 | BLACK_TOP | -20 | 0.25 | 0.35 | 0.50 | 0.9 | 1.3 | 1.8 | 0.6 | 0.8 | 1.1 |
| Partly_Cloudy | 95 | 30 | 86 | BLACK_TOP | -15 | 0.30 | 0.40 | 0.60 | 1.1 | 1.4 | 2.2 | 0.7 | 0.9 | 1.3 |
| Partly_Cloudy | 95 | 30 | 86 | BLACK_TOP | -10 | 0.35 | 0.45 | 0.65 | 1.3 | 1.6 | 2.3 | 0.8 | 1.0 | 1.5 |
| Partly_Cloudy | 95 | 30 | 86 | BLACK_TOP | -5 | 0.45 | 0.55 | 0.75 | 1.6 | 2.0 | 2.7 | 1.0 | 1.2 | 1.7 |
| Partly_Cloudy | 95 | 30 | 86 | BLACK_TOP | 0 | 0.55 | 0.65 | 0.85 | 2.0 | 2.3 | 3.1 | 1.2 | 1.5 | 1.9 |
| Partly_Cloudy | 95 | 30 | 86 | BLACK_TOP | 5 | 0.20 | 0.30 | 0.45 | 0.7 | 1.1 | 1.6 | 0.4 | 0.7 | 1.0 |
| Partly_Cloudy | 95 | 30 | 86 | BLACK_TOP | 10 | 0.10 | 0.15 | 0.25 | 0.4 | 0.5 | 0.9 | 0.2 | 0.3 | 0.6 |
| Partly_Cloudy | 95 | 30 | 86 | BLACK_TOP | 15 | 0.05 | 0.10 | 0.20 | 0.2 | 0.4 | 0.7 | 0.1 | 0.2 | 0.4 |
| Partly_Cloudy | 95 | 30 | 86 | BLACK_TOP | 20 | 0.05 | 0.05 | 0.15 | 0.2 | 0.2 | 0.5 | 0.1 | 0.1 | 0.3 |
| Partly_Cloudy | 95 | 30 | 86 | BLACK_TOP | 30 | 0.00 | 0.05 | 0.10 | 0.0 | 0.2 | 0.4 | 0.0 | 0.1 | 0.2 |
| Partly_Cloudy | 95 | 30 | 86 | BLACK_TOP | 40 | 0.00 | 0.00 | 0.05 | 0.0 | 0.0 | 0.2 | 0.0 | 0.0 | 0.1 |
| Partly_Cloudy | 95 | 30 | 86 | BLACK_TOP | 50 | 0.00 | 0.00 | 0.05 | 0.0 | 0.0 | 0.2 | 0.0 | 0.0 | 0.1 |
| Partly_Cloudy | 95 | 30 | 86 | DIRT_ROAD | -50 | 0.10 | 0.15 | 0.25 | 0.4 | 0.5 | 0.9 | 0.2 | 0.3 | 0.6 |
| Partly_Cloudy | 95 | 30 | 86 | DIRT_ROAD | -40 | 0.10 | 0.15 | 0.30 | 0.4 | 0.5 | 1.1 | 0.2 | 0.3 | 0.7 |
| Partly_Cloudy | 95 | 30 | 86 | DIRT_ROAD | -30 | 0.15 | 0.20 | 0.35 | 0.5 | 0.7 | 1.3 | 0.3 | 0.4 | 0.8 |
| Partly_Cloudy | 95 | 30 | 86 | DIRT_ROAD | -20 | 0.20 | 0.30 | 0.50 | 0.7 | 1.1 | 1.8 | 0.4 | 0.7 | 1.1 |
| Partly_Cloudy | 95 | 30 | 86 | DIRT_ROAD | -15 | 0.25 | 0.35 | 0.55 | 0.9 | 1.3 | 2.0 | 0.6 | 0.8 | 1.2 |
| Partly_Cloudy | 95 | 30 | 86 | DIRT_ROAD | -10 | 0.35 | 0.40 | 0.60 | 1.3 | 1.4 | 2.2 | 0.8 | 0.9 | 1.3 |
| Partly_Cloudy | 95 | 30 | 86 | DIRT_ROAD | -5 | 0.40 | 0.50 | 0.70 | 1.4 | 1.8 | 2.5 | 0.9 | 1.1 | 1.6 |
| Partly_Cloudy | 95 | 30 | 86 | DIRT_ROAD | 0 | 0.50 | 0.60 | 0.80 | 1.8 | 2.2 | 2.9 | 1.1 | 1.3 | 1.8 |
| Partly_Cloudy | 95 | 30 | 86 | DIRT_ROAD | 5 | 0.20 | 0.25 | 0.40 | 0.7 | 0.9 | 1.4 | 0.4 | 0.6 | 0.9 |
| Partly_Cloudy | 95 | 30 | 86 | DIRT_ROAD | 10 | 0.10 | 0.15 | 0.25 | 0.4 | 0.5 | 0.9 | 0.2 | 0.3 | 0.6 |
| Partly_Cloudy | 95 | 30 | 86 | DIRT_ROAD | 15 | 0.05 | 0.10 | 0.15 | 0.2 | 0.4 | 0.5 | 0.1 | 0.2 | 0.3 |
| Partly_Cloudy | 95 | 30 | 86 | DIRT_ROAD | 20 | 0.05 | 0.05 | 0.10 | 0.2 | 0.2 | 0.4 | 0.1 | 0.1 | 0.2 |
| Partly_Cloudy | 95 | 30 | 86 | DIRT_ROAD | 30 | 0.00 | 0.05 | 0.10 | 0.0 | 0.2 | 0.4 | 0.0 | 0.1 | 0.2 |
| Partly_Cloudy | 95 | 30 | 86 | DIRT_ROAD | 40 | 0.00 | 0.00 | 0.05 | 0.0 | 0.0 | 0.2 | 0.0 | 0.0 | 0.1 |
| Partly_Cloudy | 95 | 30 | 86 | DIRT_ROAD | 50 | 0.00 | 0.00 | 0.05 | 0.0 | 0.0 | 0.2 | 0.0 | 0.0 | 0.1 |
| Partly_Cloudy | 95 | 30 | 86 | LOOSE_SAND | -50 | 0.05 | 0.05 | 0.15 | 0.2 | 0.2 | 0.5 | 0.1 | 0.1 | 0.3 |
| Partly_Cloudy | 95 | 30 | 86 | LOOSE_SAND | -40 | 0.05 | 0.10 | 0.15 | 0.2 | 0.4 | 0.5 | 0.1 | 0.2 | 0.3 |
| Partly_Cloudy | 95 | 30 | 86 | LOOSE_SAND | -30 | 0.10 | 0.10 | 0.20 | 0.4 | 0.4 | 0.7 | 0.2 | 0.2 | 0.4 |
| Partly_Cloudy | 95 | 30 | 86 | LOOSE_SAND | -20 | 0.10 | 0.15 | 0.30 | 0.4 | 0.5 | 1.1 | 0.2 | 0.3 | 0.7 |
| Partly_Cloudy | 95 | 30 | 86 | LOOSE_SAND | -15 | 0.15 | 0.20 | 0.35 | 0.5 | 0.7 | 1.3 | 0.3 | 0.4 | 0.8 |
| Partly_Cloudy | 95 | 30 | 86 | LOOSE_SAND | -10 | 0.20 | 0.25 | 0.40 | 0.7 | 0.9 | 1.4 | 0.4 | 0.6 | 0.9 |
| Partly_Cloudy | 95 | 30 | 86 | LOOSE_SAND | -5 | 0.25 | 0.35 | 0.50 | 0.9 | 1.3 | 1.8 | 0.6 | 0.8 | 1.1 |
| Partly_Cloudy | 95 | 30 | 86 | LOOSE_SAND | 0 | 0.35 | 0.45 | 0.60 | 1.3 | 1.6 | 2.2 | 0.8 | 1.0 | 1.3 |
| Partly_Cloudy | 95 | 30 | 86 | LOOSE_SAND | 5 | 0.10 | 0.15 | 0.25 | 0.4 | 0.5 | 0.9 | 0.2 | 0.3 | 0.6 |
| Partly_Cloudy | 95 | 30 | 86 | LOOSE_SAND | 10 | 0.05 | 0.05 | 0.15 | 0.2 | 0.2 | 0.5 | 0.1 | 0.1 | 0.3 |
| Partly_Cloudy | 95 | 30 | 86 | LOOSE_SAND | 15 | 0.00 | 0.05 | 0.10 | 0.0 | 0.2 | 0.4 | 0.0 | 0.1 | 0.2 |
| Partly_Cloudy | 95 | 30 | 86 | LOOSE_SAND | 20 | 0.00 | 0.00 | 0.05 | 0.0 | 0.0 | 0.2 | 0.0 | 0.0 | 0.1 |
| Partly_Cloudy | 95 | 30 | 86 | LOOSE_SAND | 30 | 0.00 | 0.00 | 0.05 | 0.0 | 0.0 | 0.2 | 0.0 | 0.0 | 0.1 |
| Partly_Cloudy | 95 | 30 | 86 | LOOSE_SAND | 40 | 0.00 | 0.00 | 0.00 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Partly_Cloudy | 95 | 30 | 86 | LOOSE_SAND | 50 | 0.00 | 0.00 | 0.00 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

Table G-35. Maximum Sustainable Speed, Partly Cloudy, 95% Humidity, 35°C (95°F)

| Cloud Cover | RH (%) | °C | °F | Terrain Type | Grade (%) | Max Sustainable Speed (meters/second) | | | Max Sustainable Speed (kilometers/hour) | | | Max Sustainable Speed (miles/hour) | | |
|---------------|--------|----|----|--------------|-----------|---------------------------------------|------|------|---|-----|------|------------------------------------|-----|------|
| | | | | | | Risk Level | | | Risk Level | | | Risk Level | | |
| | | | | | | Low | Mod | High | Low | Mod | High | Low | Mod | High |
| Partly_Cloudy | 95 | 35 | 95 | BLACK_TOP | -50 | 0.00 | 0.00 | 0.00 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Partly_Cloudy | 95 | 35 | 95 | BLACK_TOP | -40 | 0.00 | 0.00 | 0.00 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Partly_Cloudy | 95 | 35 | 95 | BLACK_TOP | -30 | 0.00 | 0.00 | 0.00 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Partly_Cloudy | 95 | 35 | 95 | BLACK_TOP | -20 | 0.00 | 0.00 | 0.00 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Partly_Cloudy | 95 | 35 | 95 | BLACK_TOP | -15 | 0.00 | 0.00 | 0.00 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Partly_Cloudy | 95 | 35 | 95 | BLACK_TOP | -10 | 0.00 | 0.00 | 0.00 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Partly_Cloudy | 95 | 35 | 95 | BLACK_TOP | -5 | 0.00 | 0.00 | 0.00 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Partly_Cloudy | 95 | 35 | 95 | BLACK_TOP | 0 | 0.00 | 0.00 | 0.00 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Partly_Cloudy | 95 | 35 | 95 | BLACK_TOP | 5 | 0.00 | 0.00 | 0.00 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Partly_Cloudy | 95 | 35 | 95 | BLACK_TOP | 10 | 0.00 | 0.00 | 0.00 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Partly_Cloudy | 95 | 35 | 95 | BLACK_TOP | 15 | 0.00 | 0.00 | 0.00 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Partly_Cloudy | 95 | 35 | 95 | BLACK_TOP | 20 | 0.00 | 0.00 | 0.00 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Partly_Cloudy | 95 | 35 | 95 | BLACK_TOP | 30 | 0.00 | 0.00 | 0.00 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Partly_Cloudy | 95 | 35 | 95 | BLACK_TOP | 40 | 0.00 | 0.00 | 0.00 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Partly_Cloudy | 95 | 35 | 95 | BLACK_TOP | 50 | 0.00 | 0.00 | 0.00 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Partly_Cloudy | 95 | 35 | 95 | DIRT_ROAD | -50 | 0.00 | 0.00 | 0.00 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Partly_Cloudy | 95 | 35 | 95 | DIRT_ROAD | -40 | 0.00 | 0.00 | 0.00 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Partly_Cloudy | 95 | 35 | 95 | DIRT_ROAD | -30 | 0.00 | 0.00 | 0.00 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Partly_Cloudy | 95 | 35 | 95 | DIRT_ROAD | -20 | 0.00 | 0.00 | 0.00 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Partly_Cloudy | 95 | 35 | 95 | DIRT_ROAD | -15 | 0.00 | 0.00 | 0.00 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Partly_Cloudy | 95 | 35 | 95 | DIRT_ROAD | -10 | 0.00 | 0.00 | 0.00 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Partly_Cloudy | 95 | 35 | 95 | DIRT_ROAD | -5 | 0.00 | 0.00 | 0.00 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Partly_Cloudy | 95 | 35 | 95 | DIRT_ROAD | 0 | 0.00 | 0.00 | 0.00 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Partly_Cloudy | 95 | 35 | 95 | DIRT_ROAD | 5 | 0.00 | 0.00 | 0.00 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Partly_Cloudy | 95 | 35 | 95 | DIRT_ROAD | 10 | 0.00 | 0.00 | 0.00 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Partly_Cloudy | 95 | 35 | 95 | DIRT_ROAD | 15 | 0.00 | 0.00 | 0.00 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Partly_Cloudy | 95 | 35 | 95 | DIRT_ROAD | 20 | 0.00 | 0.00 | 0.00 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Partly_Cloudy | 95 | 35 | 95 | DIRT_ROAD | 30 | 0.00 | 0.00 | 0.00 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Partly_Cloudy | 95 | 35 | 95 | DIRT_ROAD | 40 | 0.00 | 0.00 | 0.00 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Partly_Cloudy | 95 | 35 | 95 | DIRT_ROAD | 50 | 0.00 | 0.00 | 0.00 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Partly_Cloudy | 95 | 35 | 95 | LOOSE_SAND | -50 | 0.00 | 0.00 | 0.00 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Partly_Cloudy | 95 | 35 | 95 | LOOSE_SAND | -40 | 0.00 | 0.00 | 0.00 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Partly_Cloudy | 95 | 35 | 95 | LOOSE_SAND | -30 | 0.00 | 0.00 | 0.00 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Partly_Cloudy | 95 | 35 | 95 | LOOSE_SAND | -20 | 0.00 | 0.00 | 0.00 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Partly_Cloudy | 95 | 35 | 95 | LOOSE_SAND | -15 | 0.00 | 0.00 | 0.00 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Partly_Cloudy | 95 | 35 | 95 | LOOSE_SAND | -10 | 0.00 | 0.00 | 0.00 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Partly_Cloudy | 95 | 35 | 95 | LOOSE_SAND | -5 | 0.00 | 0.00 | 0.00 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Partly_Cloudy | 95 | 35 | 95 | LOOSE_SAND | 0 | 0.00 | 0.00 | 0.00 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Partly_Cloudy | 95 | 35 | 95 | LOOSE_SAND | 5 | 0.00 | 0.00 | 0.00 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Partly_Cloudy | 95 | 35 | 95 | LOOSE_SAND | 10 | 0.00 | 0.00 | 0.00 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Partly_Cloudy | 95 | 35 | 95 | LOOSE_SAND | 15 | 0.00 | 0.00 | 0.00 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Partly_Cloudy | 95 | 35 | 95 | LOOSE_SAND | 20 | 0.00 | 0.00 | 0.00 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Partly_Cloudy | 95 | 35 | 95 | LOOSE_SAND | 30 | 0.00 | 0.00 | 0.00 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Partly_Cloudy | 95 | 35 | 95 | LOOSE_SAND | 40 | 0.00 | 0.00 | 0.00 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Partly_Cloudy | 95 | 35 | 95 | LOOSE_SAND | 50 | 0.00 | 0.00 | 0.00 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

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